

TRIAC

IGT

| PART No. | ITrms Amps | PACKAGE | VDRM Volts | IDRM mAmps | Q1 Q2 Q3 Q4 | | | | VGT Volts | Ih mAmps | VTM Volts | ITM Amps |
|----------|---------------|---------|---------------|---------------|-------------|--|--|--|--------------|-------------|--------------|-------------|
| | | | | | | | | | | | | |

0.6 Amps ITrms

| TO-92 Package | | | | | | | | | | | | |
|---------------|-----|------|-----|------|----|----|----|----|------|----|------|------|
| MAC974 | 0.6 | TO92 | 200 | .010 | 10 | 10 | 10 | 10 | 2.00 | 10 | 1.90 | 0.85 |
| MAC976 | 0.6 | TO92 | 400 | .010 | 10 | 10 | 10 | 10 | 2.00 | 10 | 1.90 | 0.85 |
| MAC978 | 0.6 | TO92 | 600 | .010 | 10 | 10 | 10 | 10 | 2.00 | 10 | 1.90 | 0.85 |
| MAC97A4 | 0.6 | TO92 | 200 | .010 | 5 | 5 | 5 | 7 | 2.00 | 10 | 1.90 | 0.85 |
| MAC97A6 | 0.6 | TO92 | 400 | .010 | 5 | 5 | 5 | 7 | 2.00 | 10 | 1.90 | 0.85 |
| MAC97A8 | 0.6 | TO92 | 600 | .010 | 5 | 5 | 5 | 7 | 2.00 | 10 | 1.90 | 0.85 |

0.8 Amps ITrms

| TO-92 Amps ITrms Package | | | | | | | | | | | | |
|--------------------------|-----|------|-----|------|----|----|----|----|------|----|------|------|
| SC92B | 0.8 | TO92 | 200 | .100 | 10 | 10 | 10 | 30 | 2.00 | 20 | 1.50 | 1.10 |
| SC92C | 0.8 | TO92 | 300 | .100 | 10 | 10 | 10 | 30 | 2.00 | 20 | 1.50 | 1.10 |
| SC92D | 0.8 | TO92 | 400 | .100 | 10 | 10 | 10 | 30 | 2.00 | 20 | 1.50 | 1.10 |
| SC92M | 0.8 | TO92 | 600 | .100 | 10 | 10 | 10 | 30 | 2.00 | 20 | 1.50 | 1.10 |

1.0 Amps ITrms

| TO-92 Package | | | | | | | | | | | | |
|---------------|-----|------|-----|------|----|----|----|----|------|----|------|------|
| L201E3 | 1.0 | TO92 | 200 | .010 | 3 | 3 | 3 | 3 | 2.00 | 5 | 1.60 | 1.00 |
| L201E5 | 1.0 | TO92 | 200 | .010 | 5 | 5 | 5 | 5 | 2.00 | 10 | 1.60 | 1.00 |
| L201E7 | 1.0 | TO92 | 200 | .010 | 10 | 10 | 10 | 10 | 2.00 | 15 | 1.60 | 1.00 |
| L201E9 | 1.0 | TO92 | 200 | .010 | 25 | 25 | 25 | 25 | 2.00 | 25 | 1.60 | 1.00 |
| L401E3 | 1.0 | TO92 | 400 | .010 | 3 | 3 | 3 | 3 | 2.00 | 5 | 1.60 | 1.00 |
| L401E5 | 1.0 | TO92 | 400 | .010 | 5 | 5 | 5 | 5 | 2.00 | 10 | 1.60 | 1.00 |
| L401E7 | 1.0 | TO92 | 400 | .010 | 10 | 10 | 10 | 10 | 2.00 | 15 | 1.60 | 1.00 |
| L601E3 | 1.0 | TO92 | 600 | .010 | 3 | 3 | 3 | 3 | 2.00 | 10 | 1.60 | 1.00 |
| L601E5 | 1.0 | TO92 | 600 | .010 | 5 | 5 | 5 | 5 | 2.00 | 10 | 1.60 | 1.00 |
| L601E7 | 1.0 | TO92 | 600 | .010 | 10 | 10 | 10 | 10 | 2.00 | 25 | 1.60 | 1.00 |

2.5 Amps ITrms

| TO-202AB Package | | | | | | | | | | | | |
|------------------|-----|---------|-----|------|----|----|----|----|------|----|------|-------|
| T2323B | 2.5 | TO202AB | 200 | .010 | 40 | 40 | 40 | 40 | 2.20 | 30 | 2.60 | 10.00 |
| T2323D | 2.5 | TO202AB | 400 | .010 | 40 | 40 | 40 | 40 | 2.20 | 30 | 2.60 | 10.00 |
| T2323M | 2.5 | TO202AB | 600 | .010 | 40 | 40 | 40 | 40 | 2.20 | 30 | 2.60 | 10.00 |

3.0 Amps ITrms

| TO-202ABKGA Package | | | | | | | | | | | | |
|---------------------|-----|------------|-----|------|----|----|----|--|------|----|------|------|
| SC136B | 3.0 | TO202ABKGA | 200 | .010 | 25 | 25 | 25 | | 2.00 | 50 | 1.80 | 5.00 |
| SC136D | 3.0 | TO202ABKGA | 400 | .010 | 25 | 25 | 25 | | 2.00 | 50 | 1.80 | 5.00 |
| SC136M | 3.0 | TO202ABKGA | 600 | .010 | 25 | 25 | 25 | | 2.00 | 50 | 1.80 | 5.00 |

4.0 Amps ITrms

| TO-202AB Package | | | | | | | | | | | | |
|------------------|-----|---------|-----|------|----|----|----|----|------|----|------|------|
| L2004F31 | 4.0 | TO202AB | 200 | .010 | 3 | 3 | 3 | 3 | 2.00 | 5 | 1.60 | 4.00 |
| L2004F51 | 4.0 | TO202AB | 200 | .010 | 5 | 5 | 5 | 5 | 2.00 | 10 | 1.60 | 4.00 |
| L2004F71 | 4.0 | TO202AB | 200 | .010 | 10 | 10 | 10 | 10 | 2.00 | 15 | 1.60 | 4.00 |
| L2004F91 | 4.0 | TO202AB | 200 | .010 | 25 | 25 | 25 | 25 | 2.00 | 25 | 1.60 | 4.00 |
| L4004F31 | 4.0 | TO202AB | 400 | .010 | 3 | 3 | 3 | 3 | 2.00 | 5 | 1.60 | 4.00 |
| L4004F51 | 4.0 | TO202AB | 400 | .010 | 5 | 5 | 5 | 5 | 2.00 | 10 | 1.60 | 4.00 |
| L4004F71 | 4.0 | TO202AB | 400 | .010 | 10 | 10 | 10 | 10 | 2.00 | 15 | 1.60 | 4.00 |
| L4004F91 | 4.0 | TO202AB | 400 | .010 | 25 | 25 | 25 | 25 | 2.00 | 25 | 1.60 | 4.00 |
| Q2004F31 | 4.0 | TO202AB | 200 | .050 | 10 | 10 | 10 | 10 | 2.00 | 20 | 1.60 | 4.00 |
| Q2004F41 | 4.0 | TO202AB | 200 | .050 | 25 | 25 | 25 | 25 | 2.50 | 30 | 1.60 | 4.00 |
| Q4004F31 | 4.0 | TO202AB | 400 | .050 | 10 | 10 | 10 | 10 | 2.00 | 20 | 1.60 | 4.00 |
| Q4004F41 | 4.0 | TO202AB | 400 | .050 | 25 | 25 | 25 | 25 | 2.50 | 30 | 1.60 | 4.00 |
| Q5004F41 | 4.0 | TO202AB | 500 | .050 | 25 | 25 | 25 | 25 | 2.50 | 30 | 1.60 | 4.00 |
| Q6004F41 | 4.0 | TO202AB | 600 | .050 | 25 | 25 | 25 | 25 | 2.50 | 30 | 1.60 | 4.00 |

| TO-202ABKGA | | | | | | | | | | | | |
|-------------|-----|------------|-----|------|----|----|----|----|------|----|------|------|
| L2004N31 | 4.0 | TO202ABKGA | 200 | .020 | 3 | 3 | 3 | 3 | 2.00 | 5 | 1.60 | 4.00 |
| L2004N51 | 4.0 | TO202ABKGA | 200 | .020 | 5 | 5 | 5 | 5 | 2.00 | 15 | 1.60 | 4.00 |
| L2004N71 | 4.0 | TO202ABKGA | 200 | .020 | 10 | 10 | 10 | 10 | 2.00 | 15 | 1.60 | 4.00 |
| L4004N31 | 4.0 | TO202ABKGA | 400 | .020 | 3 | 3 | 3 | 3 | 2.00 | 5 | 1.60 | 4.00 |
| L4004N51 | 4.0 | TO202ABKGA | 400 | .020 | 5 | 5 | 5 | 5 | 2.00 | 15 | 1.60 | 4.00 |

TRIAC

| PART No. | ITrms Amps | PACKAGE | VDRM Volts | IDRM mAmps | IGT | | | | VGT Volts | Ih mAmps | VTM Volts | ITM Amps |
|----------|---------------|---------|---------------|---------------|-----|----|----|----|--------------|-------------|--------------|-------------|
| | | | | | Q1 | Q2 | Q3 | Q4 | | | | |

4.0 Amps ITrms (Cont'd)

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| TO-202ABKGA (Cont'd) | | | | | | | | | | | | |
|----------------------|-----|------------|-----|------|----|----|----|----|------|----|------|------|
| L4004N71 | 4.0 | TO202ABKGA | 400 | .020 | 10 | 10 | 10 | 10 | 2.00 | 15 | 1.60 | 4.00 |
| L4004N91 | 4.0 | TO202ABKGA | 400 | .020 | 25 | 25 | 25 | 25 | 2.00 | 25 | 1.60 | 4.00 |
| L6004N31 | 4.0 | TO202ABKGA | 600 | .020 | 3 | 3 | 3 | 3 | 2.00 | 5 | 1.60 | 4.00 |
| Q2004N31 | 4.0 | TO202ABKGA | 200 | .050 | 10 | 10 | 10 | 25 | 2.00 | 20 | 1.60 | 4.00 |
| Q2004N41 | 4.0 | TO202ABKGA | 200 | .050 | 25 | 25 | 25 | 50 | 2.50 | 30 | 1.60 | 4.00 |
| Q4004N31 | 4.0 | TO202ABKGA | 400 | .050 | 10 | 10 | 10 | 25 | 2.00 | 20 | 1.60 | 4.00 |
| Q4004N41 | 4.0 | TO202ABKGA | 400 | .050 | 25 | 25 | 25 | 50 | 2.50 | 30 | 1.60 | 4.00 |
| Q6004N31 | 4.0 | TO202ABKGA | 600 | .050 | 10 | 10 | 10 | 25 | 2.00 | 20 | 1.60 | 4.00 |
| Q6004N41 | 4.0 | TO202ABKGA | 600 | .050 | 25 | 25 | 25 | 50 | 2.50 | 30 | 1.60 | 4.00 |

| TO-220AB Package | | | | | | | | | | | | |
|------------------|-----|---------|-----|------|----|----|----|----|------|----|------|------|
| BTB04200S | 4.0 | TO220AB | 200 | .010 | 10 | 10 | 10 | 10 | 1.50 | 25 | 1.65 | 5.50 |
| BTB04400S | 4.0 | TO220AB | 400 | .010 | 10 | 10 | 10 | 10 | 1.50 | 25 | 1.65 | 5.50 |
| BTB04600S | 4.0 | TO220AB | 600 | .010 | 10 | 10 | 10 | 10 | 1.50 | 25 | 1.65 | 5.50 |
| Q2004R4 | 4.0 | TO220AB | 200 | .050 | 25 | 25 | 25 | 25 | 2.50 | 30 | 1.60 | 4.00 |
| Q4004R4 | 4.0 | TO220AB | 400 | .050 | 25 | 25 | 25 | 25 | 2.50 | 30 | 1.60 | 4.00 |
| Q5004R4 | 4.0 | TO220AB | 500 | .050 | 25 | 25 | 25 | 25 | 2.50 | 30 | 1.60 | 4.00 |
| Q6004R4 | 4.0 | TO220AB | 600 | .050 | 25 | 25 | 25 | 25 | 2.50 | 30 | 1.60 | 4.00 |
| T24 | 4.0 | TO220AB | 200 | .100 | 80 | | 80 | | 2.50 | 60 | 1.70 | 4.00 |
| T44 | 4.0 | TO220AB | 400 | .100 | 80 | | 80 | | 2.50 | 60 | 1.70 | 4.00 |
| T64 | 4.0 | TO220AB | 600 | .100 | 80 | | 80 | | 2.50 | 60 | 1.70 | 4.00 |

| TO-220AB/I Package (Note 1) | | | | | | | | | | | | |
|-----------------------------|-----|-----------|-----|------|----|----|----|----|------|----|------|------|
| BTA04200C | 4.0 | TO220AB/I | 200 | .010 | 5 | 5 | 5 | 5 | 1.50 | 15 | 1.65 | 5.50 |
| BTA04400C | 4.0 | TO220AB/I | 400 | .010 | 5 | 5 | 5 | 5 | 1.50 | 15 | 1.65 | 5.50 |
| BTA04600C | 4.0 | TO220AB/I | 600 | .010 | 5 | 5 | 5 | 5 | 1.50 | 15 | 1.65 | 5.50 |
| BTA04200S | 4.0 | TO220AB/I | 200 | .010 | 10 | 10 | 10 | 10 | 1.50 | 25 | 1.65 | 5.50 |
| BTA04400S | 4.0 | TO220AB/I | 400 | .010 | 10 | 10 | 10 | 10 | 1.50 | 25 | 1.65 | 5.50 |
| BTA04600S | 4.0 | TO220AB/I | 600 | .010 | 10 | 10 | 10 | 10 | 1.50 | 25 | 1.65 | 5.50 |
| BTA04200T | 4.0 | TO220AB/I | 200 | .010 | 5 | 5 | 5 | 5 | 1.50 | 15 | 1.65 | 5.50 |
| BTA04400T | 4.0 | TO220AB/I | 400 | .010 | 5 | 5 | 5 | 5 | 1.50 | 15 | 1.65 | 5.50 |
| BTA04600T | 4.0 | TO220AB/I | 600 | .010 | 5 | 5 | 5 | 5 | 1.50 | 15 | 1.65 | 5.50 |
| L2004L3 | 4.0 | TO220AB/I | 200 | .010 | 3 | 3 | 3 | 3 | 2.00 | 5 | 1.60 | 4.00 |
| L2004L5 | 4.0 | TO220AB/I | 200 | .010 | 5 | 5 | 5 | 5 | 2.00 | 10 | 1.60 | 4.00 |
| L2004L7 | 4.0 | TO220AB/I | 200 | .010 | 10 | 10 | 10 | 10 | 2.00 | 15 | 1.60 | 4.00 |
| L2004L9 | 4.0 | TO220AB/I | 200 | .010 | 25 | 25 | 25 | 25 | 2.00 | 25 | 1.60 | 4.00 |
| L4004L3 | 4.0 | TO220AB/I | 400 | .010 | 3 | 3 | 3 | 3 | 2.00 | 5 | 1.60 | 4.00 |
| L4004L5 | 4.0 | TO220AB/I | 400 | .010 | 5 | 5 | 5 | 5 | 2.00 | 10 | 1.60 | 4.00 |
| L4004L7 | 4.0 | TO220AB/I | 400 | .010 | 10 | 10 | 10 | 10 | 2.00 | 15 | 1.60 | 4.00 |
| L4004L9 | 4.0 | TO220AB/I | 400 | .010 | 25 | 25 | 25 | 25 | 2.00 | 25 | 1.60 | 4.00 |
| L6004L9 | 4.0 | TO220AB/I | 600 | .010 | 25 | 25 | 25 | 25 | 2.00 | 25 | 1.60 | 4.00 |
| Q2004L3 | 4.0 | TO220AB/I | 200 | .050 | 10 | 10 | 10 | 10 | 2.00 | 20 | 1.60 | 4.00 |
| Q2004L4 | 4.0 | TO220AB/I | 200 | .050 | 25 | 25 | 25 | 25 | 2.50 | 30 | 1.60 | 4.00 |
| Q4004L3 | 4.0 | TO220AB/I | 400 | .050 | 10 | 10 | 10 | 10 | 2.00 | 20 | 1.60 | 4.00 |
| Q4004L4 | 4.0 | TO220AB/I | 400 | .050 | 25 | 25 | 25 | 25 | 2.50 | 30 | 1.60 | 4.00 |
| Q5004L4 | 4.0 | TO220AB/I | 500 | .050 | 25 | 25 | 25 | 25 | 2.50 | 30 | 1.60 | 4.00 |
| Q6004L4 | 4.0 | TO220AB/I | 600 | .050 | 25 | 25 | 25 | 25 | 2.50 | 30 | 1.60 | 4.00 |
| T24I | 4.0 | TO220AB/I | 200 | .100 | 80 | | 80 | | 2.50 | 60 | 1.60 | 4.00 |
| T44I | 4.0 | TO220AB/I | 400 | .100 | 80 | | 80 | | 2.50 | 60 | 1.60 | 4.00 |
| T64I | 4.0 | TO220AB/I | 600 | .100 | 80 | | 80 | | 2.50 | 60 | 1.60 | 4.00 |

5.0 Amps ITrms

| TO-220AB Package | | | | | | | | | | | | |
|------------------|-----|---------|-----|------|----|----|----|----|------|----|------|------|
| T0505BH | 5.0 | TO220AB | 200 | .020 | 5 | 5 | 5 | 5 | 2.50 | 15 | 1.45 | 5.00 |
| T0505DH | 5.0 | TO220AB | 400 | .020 | 5 | 5 | 5 | 5 | 2.50 | 15 | 1.45 | 5.00 |
| T0505MH | 5.0 | TO220AB | 600 | .020 | 5 | 5 | 5 | 5 | 2.50 | 15 | 1.45 | 5.00 |
| T0505NH | 5.0 | TO220AB | 800 | .020 | 5 | 5 | 5 | 5 | 2.50 | 15 | 1.45 | 5.00 |
| T0510BH | 5.0 | TO220AB | 200 | .005 | 25 | 25 | 25 | 25 | 2.50 | 50 | 1.45 | 5.00 |
| T0510DH | 5.0 | TO220AB | 400 | .005 | 25 | 25 | 25 | 25 | 2.50 | 50 | 1.45 | 5.00 |
| T0510MH | 5.0 | TO220AB | 600 | .005 | 25 | 25 | 25 | 25 | 2.50 | 50 | 1.45 | 5.00 |
| T0510NH | 5.0 | TO220AB | 800 | .005 | 25 | 25 | 25 | 25 | 2.50 | 50 | 1.45 | 5.00 |
| T25 | 5.0 | TO220AB | 200 | .300 | 80 | | 80 | | 3.50 | 90 | 2.00 | 5.00 |
| T45 | 5.0 | TO220AB | 400 | .300 | 80 | | 80 | | 3.50 | 90 | 2.00 | 5.00 |
| T65 | 5.0 | TO220AB | 600 | .300 | 80 | | 80 | | 3.50 | 90 | 2.00 | 5.00 |

6.0 Amps ITrms

| 5/8"SWG/TO3 Package (note 1) | | | | | | | | | | | | |
|------------------------------|-----|------------|-----|------|----|----|----|--|------|----|------|------|
| Q4006A | 6.0 | 5/8SWG/TO3 | 400 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 6.00 |

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| PART No. | ITrms Amps | PACKAGE | VDRM Volts | IDRM mAmps | IGT | | | | VGT Volts | Ih mAmps | VTM Volts | ITM Amps |
|----------|---------------|---------|---------------|---------------|-----|----|----|----|--------------|-------------|--------------|-------------|
| | | | | | Q1 | Q2 | Q3 | Q4 | | | | |

6.0 Amps ITrms (Cont'd)

| 5/8"SWG/I Package (Note 1) | | | | | | | | | | | | |
|----------------------------|-----|----------|-----|------|----|----|----|--|------|----|------|------|
| Q2006 | 6.0 | 5/8SWG/I | 200 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 6.00 |
| Q4006 | 6.0 | 5/8SWG/I | 400 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 6.00 |
| Q6006 | 6.0 | 5/8SWG/I | 600 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 6.00 |

| TO-202AB | | | | | | | | | | | | |
|----------|-----|---------|-----|------|----|----|----|--|------|----|------|------|
| Q2006F41 | 6.0 | TO202AB | 200 | .050 | 25 | 25 | 25 | | 2.50 | 50 | 1.60 | 6.00 |
| Q4006F41 | 6.0 | TO202AB | 400 | .050 | 25 | 25 | 25 | | 2.50 | 50 | 1.60 | 6.00 |
| Q5006F41 | 6.0 | TO202AB | 500 | .050 | 25 | 25 | 25 | | 2.50 | 50 | 1.60 | 6.00 |
| Q6006F51 | 6.0 | TO202AB | 600 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 6.00 |

| TO-220AB Package | | | | | | | | | | | | |
|------------------|-----|---------|-----|------|----|----|----|----|------|-----|------|-------|
| BTB06200S | 6.0 | TO220AB | 200 | .100 | 10 | 10 | 10 | 10 | 2.50 | 25 | 1.65 | 8.50 |
| BTB06400S | 6.0 | TO220AB | 400 | .100 | 10 | 10 | 10 | 10 | 2.50 | 25 | 1.65 | 8.50 |
| BTB06600S | 6.0 | TO220AB | 600 | .500 | 10 | 10 | 10 | 10 | 2.50 | 25 | 1.65 | 8.50 |
| BTB06700S | 6.0 | TO220AB | 700 | .500 | 10 | 10 | 10 | 10 | 2.50 | 25 | 1.65 | 8.50 |
| Q2006R4 | 6.0 | TO220AB | 200 | .050 | 25 | 25 | 25 | | 2.50 | 50 | 1.60 | 6.00 |
| Q2006R5 | 6.0 | TO220AB | 200 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 6.00 |
| Q4006R4 | 6.0 | TO220AB | 400 | .050 | 25 | 25 | 25 | | 2.50 | 50 | 1.60 | 6.00 |
| Q4006R5 | 6.0 | TO220AB | 400 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 6.00 |
| Q5006R4 | 6.0 | TO220AB | 500 | .050 | 25 | 25 | 25 | | 2.50 | 50 | 1.60 | 6.00 |
| Q6006R4 | 6.0 | TO220AB | 600 | .050 | 25 | 25 | 25 | | 2.50 | 50 | 1.60 | 6.00 |
| Q6006R5 | 6.0 | TO220AB | 600 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 6.00 |
| SC141B | 6.0 | TO220AB | 200 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.83 | 8.50 |
| SC141D | 6.0 | TO220AB | 400 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.83 | 8.50 |
| SC141E | 6.0 | TO220AB | 500 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.83 | 8.50 |
| SC141M | 6.0 | TO220AB | 600 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.83 | 8.50 |
| T2500B | 6.0 | TO220AB | 200 | .100 | 25 | 60 | 25 | 60 | 2.50 | 30 | 2.00 | 30.00 |
| T2500D | 6.0 | TO220AB | 400 | .100 | 25 | 60 | 25 | 60 | 2.50 | 30 | 2.00 | 30.00 |
| T2500M | 6.0 | TO220AB | 600 | .100 | 25 | 60 | 25 | 60 | 2.50 | 30 | 2.00 | 30.00 |
| T26 | 6.0 | TO220AB | 200 | .100 | 80 | | 80 | | 2.50 | 100 | 1.70 | 6.00 |
| T2801B | 6.0 | TO220AB | 200 | .100 | 80 | | 80 | | 4.00 | 50 | 3.00 | 30.00 |
| T2801C | 6.0 | TO220AB | 300 | .100 | 80 | | 80 | | 4.00 | 50 | 3.00 | 30.00 |
| T2801D | 6.0 | TO220AB | 400 | .100 | 80 | | 80 | | 4.00 | 50 | 3.00 | 30.00 |
| T2801E | 6.0 | TO220AB | 500 | .100 | 80 | | 80 | | 4.00 | 50 | 3.00 | 30.00 |
| T2801M | 6.0 | TO220AB | 600 | .100 | 80 | | 80 | | 4.00 | 50 | 3.00 | 30.00 |
| T46 | 6.0 | TO220AB | 400 | .100 | 80 | | 80 | | 2.50 | 100 | 1.70 | 6.00 |
| T66 | 6.0 | TO220AB | 600 | .100 | 80 | | 80 | | 2.50 | 100 | 1.70 | 6.00 |
| TIC216B | 6.0 | TO220AB | 200 | .100 | 5 | 5 | 5 | 10 | 2.20 | 30 | 1.70 | 8.40 |
| TIC216D | 6.0 | TO220AB | 400 | .100 | 5 | 5 | 5 | 10 | 2.20 | 30 | 1.70 | 8.40 |
| TIC216M | 6.0 | TO220AB | 600 | .100 | 5 | 5 | 5 | 10 | 2.20 | 30 | 1.70 | 8.40 |
| TO610BH | 6.0 | TO220AB | 200 | .050 | 25 | 25 | 25 | 25 | 2.50 | 15 | 1.85 | 7.50 |
| TO610DH | 6.0 | TO220AB | 400 | .050 | 25 | 25 | 25 | 25 | 2.50 | 15 | 1.85 | 7.50 |
| TO610MH | 6.0 | TO220AB | 600 | .050 | 25 | 25 | 25 | 25 | 2.50 | 15 | 1.85 | 7.50 |

| TO-220AB/I Package (Note 1) | | | | | | | | | | | | |
|-----------------------------|-----|-----------|-----|------|----|----|----|-----|------|-----|------|-------|
| BTA06200B | 6.0 | TO220AB/I | 200 | .01 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.65 | 8.50 |
| BTA06200S | 6.0 | TO220AB/I | 200 | .100 | 10 | 10 | 10 | 10 | 2.50 | 25 | 1.65 | 8.50 |
| BTA06200T | 6.0 | TO220AB/I | 200 | .01 | 5 | 5 | 5 | 5 | 1.50 | 15 | 1.65 | 8.50 |
| BTA06400B | 6.0 | TO220AB/I | 400 | .100 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.65 | 8.50 |
| BTA06400S | 6.0 | TO220AB/I | 400 | .01 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.65 | 8.50 |
| BTA06400T | 6.0 | TO220AB/I | 400 | .01 | 5 | 5 | 5 | 5 | 1.50 | 15 | 1.65 | 8.50 |
| BTA06600S | 6.0 | TO220AB/I | 600 | .100 | 10 | 10 | 10 | 10 | 2.50 | 25 | 1.65 | 8.50 |
| BTA06600T | 6.0 | TO220AB/I | 600 | .010 | 5 | 5 | 5 | 5 | 1.50 | 15 | 1.65 | 8.50 |
| L2006L6 | 6.0 | TO220AB/I | 200 | .020 | 5 | 5 | 5 | 25 | 2.00 | 15 | 1.60 | 6.00 |
| L2006L7 | 6.0 | TO220AB/I | 200 | .020 | 10 | 10 | 10 | 10 | 2.00 | 15 | 1.60 | 6.00 |
| L2006L9 | 6.0 | TO220AB/I | 200 | .020 | 25 | 25 | 25 | 25 | 2.00 | 30 | 1.60 | 6.00 |
| L4006L6 | 6.0 | TO220AB/I | 400 | .020 | 5 | 5 | 5 | 25 | 2.00 | 15 | 1.60 | 6.00 |
| L4006L7 | 6.0 | TO220AB/I | 400 | .020 | 10 | 10 | 10 | 10 | 2.00 | 15 | 1.60 | 6.00 |
| L4006L9 | 6.0 | TO220AB/I | 400 | .020 | 25 | 25 | 25 | 25 | 2.00 | 30 | 1.60 | 6.00 |
| Q2006L4 | 6.0 | TO220AB/I | 200 | .050 | 25 | 25 | 25 | | 2.50 | 50 | 1.60 | 6.00 |
| Q2006L5 | 6.0 | TO220AB/I | 200 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 6.00 |
| Q4006L4 | 6.0 | TO220AB/I | 400 | .050 | 25 | 25 | 25 | | 2.50 | 50 | 1.60 | 6.00 |
| Q4006L5 | 6.0 | TO220AB/I | 400 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 6.00 |
| Q5006L4 | 6.0 | TO220AB/I | 500 | .050 | 25 | 25 | 25 | | 2.50 | 50 | 1.60 | 6.00 |
| Q6006L4 | 6.0 | TO220AB/I | 600 | .050 | 25 | 25 | 25 | | 2.50 | 50 | 1.60 | 6.00 |
| Q6006L5 | 6.0 | TO220AB/I | 600 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 6.00 |
| T0612BJ | 6.0 | TO220AB/I | 200 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.55 | 15.00 |
| T0612DJ | 6.0 | TO220AB/I | 400 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.55 | 15.00 |
| T0612MJ | 6.0 | TO220AB/I | 600 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.55 | 15.00 |
| T0612NJ | 6.0 | TO220AB/I | 800 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.55 | 15.00 |

TRIAC

IGT

| PART No. | ITrms Amps | PACKAGE | VDRM Volts | IDRM mAmps | Q1 Q2 Q3 Q4 | | | | VGT Volts | Ih mAmps | VTM Volts | ITM Amps |
|----------|---------------|---------|---------------|---------------|-------------|--|--|--|--------------|-------------|--------------|-------------|
| | | | | | | | | | | | | |

6.0 Amps ITrms (Cont'd)

T-25-01

| TO-220AB/I Package (Cont'd) | | | | | | | | | | | | | |
|-----------------------------|-----|-----------|-----|------|----|--|----|--|--|------|-----|------|------|
| T26I | 6.0 | TO220AB/I | 200 | .100 | 80 | | 80 | | | 2.50 | 60 | 1.70 | 6.00 |
| T46I | 6.0 | TO220AB/I | 400 | .100 | 80 | | 80 | | | 2.50 | 100 | 1.70 | 6.00 |
| T66I | 6.0 | TO220AB/I | 600 | .100 | 80 | | 80 | | | 2.50 | 100 | 1.70 | 6.00 |

6.5 Amps ITrms

| TO220AB/I Package (Note 1) | | | | | | | | | | | | | |
|----------------------------|-----|-----------|-----|------|----|----|----|--|--|------|----|------|------|
| SC140B | 6.5 | TO220AB/I | 200 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.85 | 9.20 |
| SC140D | 6.5 | TO220AB/I | 400 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.85 | 9.20 |
| SC140M | 6.5 | TO220AB/I | 600 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.85 | 9.20 |

8.0 Amps ITrms

| TO-202AB Package | | | | | | | | | | | | | |
|------------------|-----|---------|-----|------|----|----|----|----|--|------|----|------|-------|
| Q2008F41 | 8.0 | TO202AB | 200 | .050 | 25 | 25 | 25 | | | 2.50 | 50 | 1.60 | 8.00 |
| Q2008F51 | 8.0 | TO202AB | 200 | .100 | 50 | 50 | 50 | 75 | | 2.50 | 50 | 1.60 | 8.00 |
| Q4008F41 | 8.0 | TO202AB | 400 | .050 | 25 | 25 | 25 | | | 2.50 | 50 | 1.60 | 8.00 |
| Q4008F51 | 8.0 | TO202AB | 400 | .100 | 50 | 50 | 50 | 75 | | 2.50 | 50 | 1.60 | 8.00 |
| Q5008F41 | 8.0 | TO202AB | 500 | .050 | 25 | 25 | 25 | | | 2.50 | 50 | 1.60 | 8.00 |
| Q6008F51 | 8.0 | TO202AB | 600 | .050 | 50 | 50 | 50 | | | 2.50 | 50 | 1.60 | 8.00 |
| SC116B | 8.0 | TO202AB | 200 | .100 | 50 | 80 | 50 | | | 2.50 | 50 | 1.63 | 11.50 |
| SC116D | 8.0 | TO202AB | 400 | .100 | 50 | 80 | 50 | | | 2.50 | 50 | 1.63 | 11.50 |
| SC116E | 8.0 | TO202AB | 500 | .100 | 50 | 80 | 50 | | | 2.50 | 50 | 1.63 | 11.50 |
| SC116M | 8.0 | TO202AB | 600 | .100 | 50 | 80 | 50 | | | 2.50 | 50 | 1.63 | 11.50 |

| TO-220AB Package | | | | | | | | | | | | | |
|------------------|-----|---------|-----|------|----|----|----|-----|--|------|-----|------|-------|
| 2N6342 | 8.0 | TO220AB | 200 | .010 | 50 | | 50 | | | 2.00 | 40 | 1.55 | 11.00 |
| 2N6343 | 8.0 | TO220AB | 400 | .010 | 50 | | 50 | | | 2.00 | 40 | 1.55 | 11.00 |
| 2N6344 | 8.0 | TO220AB | 600 | .010 | 50 | | 50 | | | 2.00 | 40 | 1.55 | 11.00 |
| 2N6345 | 8.0 | TO220AB | 800 | .010 | 50 | | 50 | | | 2.00 | 40 | 1.55 | 11.00 |
| 2N6346 | 8.0 | TO220AB | 200 | .010 | 50 | 75 | 50 | 75 | | 2.50 | 40 | 1.55 | 11.00 |
| 2N6347 | 8.0 | TO220AB | 400 | .010 | 50 | 75 | 50 | 75 | | 2.50 | 40 | 1.55 | 11.00 |
| 2N6348 | 8.0 | TO220AB | 600 | .010 | 50 | 75 | 50 | 75 | | 2.50 | 40 | 1.55 | 11.00 |
| 2N6349 | 8.0 | TO220AB | 800 | .010 | 50 | 75 | 50 | 75 | | 2.50 | 40 | 1.55 | 11.00 |
| BTB08200B | 8.0 | TO220AB | 200 | .050 | 50 | 50 | 50 | 100 | | 2.50 | 50 | 1.75 | 11.00 |
| BTB08200S | 8.0 | TO220AB | 200 | .050 | 10 | 10 | 10 | 10 | | 2.50 | 25 | 1.75 | 11.00 |
| BTB08400B | 8.0 | TO220AB | 400 | .050 | 50 | 50 | 50 | 100 | | 2.50 | 50 | 1.75 | 11.00 |
| BTB08400S | 8.0 | TO220AB | 400 | .050 | 10 | 10 | 10 | 10 | | 2.50 | 25 | 1.75 | 11.00 |
| BTB08600B | 8.0 | TO220AB | 600 | .050 | 50 | 50 | 50 | 100 | | 2.50 | 50 | 1.75 | 11.00 |
| BTB08600S | 8.0 | TO220AB | 600 | .050 | 10 | 10 | 10 | 10 | | 2.50 | 25 | 1.75 | 11.00 |
| BTB08800B | 8.0 | TO220AB | 800 | .050 | 50 | 50 | 50 | 100 | | 2.50 | 50 | 1.75 | 11.00 |
| BTB08800S | 8.0 | TO220AB | 800 | .050 | 10 | 10 | 10 | 10 | | 2.50 | 25 | 1.75 | 11.00 |
| L2008R6 | 8.0 | TO220AB | 200 | .020 | 5 | 5 | 5 | 25 | | 2.00 | 15 | 1.60 | 8.00 |
| L4008R6 | 8.0 | TO220AB | 400 | .020 | 5 | 5 | 5 | 25 | | 2.00 | 15 | 1.60 | 8.00 |
| L6008R6 | 8.0 | TO220AB | 600 | .020 | 5 | 5 | 5 | 25 | | 2.00 | 15 | 1.60 | 8.00 |
| MAC21810 | 8.0 | TO220AB | 800 | .010 | 50 | 50 | 50 | | | 2.00 | 50 | 2.00 | 11.30 |
| MAC2184 | 8.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | | | 2.00 | 50 | 2.00 | 11.30 |
| MAC2186 | 8.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | | | 2.00 | 50 | 2.00 | 11.30 |
| MAC2188 | 8.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | | | 2.00 | 50 | 2.00 | 11.30 |
| MAC218A10 | 8.0 | TO220AB | 800 | .010 | 50 | 50 | 50 | 75 | | 2.00 | 50 | 2.00 | 11.30 |
| MAC218A4 | 8.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | 75 | | 2.00 | 50 | 2.00 | 11.30 |
| MAC218A6 | 8.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | 75 | | 2.00 | 50 | 2.00 | 11.30 |
| MAC218A8 | 8.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | 75 | | 2.00 | 50 | 2.00 | 11.30 |
| MAC22810 | 8.0 | TO220AB | 800 | .010 | 5 | 5 | 5 | 10 | | 2.00 | 15 | 1.80 | 11.00 |
| MAC2284 | 8.0 | TO220AB | 200 | .010 | 5 | 5 | 5 | 10 | | 2.00 | 15 | 1.80 | 11.00 |
| MAC2286 | 8.0 | TO220AB | 400 | .010 | 5 | 5 | 5 | 10 | | 2.00 | 15 | 1.80 | 11.00 |
| MAC2288 | 8.0 | TO220AB | 600 | .010 | 5 | 5 | 5 | 10 | | 2.00 | 15 | 1.80 | 11.00 |
| Q2008R4 | 8.0 | TO220AB | 200 | .050 | 25 | 25 | 25 | | | 2.50 | 50 | 1.60 | 8.00 |
| Q4008R4 | 8.0 | TO220AB | 400 | .050 | 25 | 25 | 25 | | | 2.50 | 50 | 1.60 | 8.00 |
| Q5008R4 | 8.0 | TO220AB | 500 | .050 | 25 | 25 | 25 | | | 2.50 | 50 | 1.60 | 8.00 |
| Q6008R5 | 8.0 | TO220AB | 600 | .050 | 50 | 50 | 50 | | | 2.50 | 50 | 1.60 | 8.00 |
| SC143B | 8.0 | TO220AB | 200 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.55 | 11.50 |
| SC143D | 8.0 | TO220AB | 400 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.55 | 11.50 |
| SC143E | 8.0 | TO220AB | 500 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.55 | 11.50 |
| SC143M | 8.0 | TO220AB | 600 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.55 | 11.50 |
| T0810BH | 8.0 | TO220AB | 200 | .100 | 25 | 25 | 25 | 25 | | 2.50 | 50 | 1.85 | 12.00 |
| T0810DH | 8.0 | TO220AB | 400 | .100 | 25 | 25 | 25 | 25 | | 2.50 | 50 | 1.85 | 12.00 |
| T0810MH | 8.0 | TO220AB | 600 | .100 | 25 | 25 | 25 | 25 | | 2.50 | 50 | 1.85 | 12.00 |
| T0810NH | 8.0 | TO220AB | 800 | .100 | 25 | 25 | 25 | 25 | | 2.50 | 50 | 1.85 | 12.00 |
| T28 | 8.0 | TO220AB | 200 | .100 | 80 | | 80 | | | 2.54 | 100 | 1.70 | 8.00 |

TRIAC

| PART No. | ITrms Amps | PACKAGE | VDRM Volts | IDRM mAmps | IGT | | | | VGT Volts | Ih mAmps | VTM Volts | ITM Amps |
|----------|------------|---------|------------|------------|-----|----|----|----|-----------|----------|-----------|----------|
| | | | | | Q1 | Q2 | Q3 | Q4 | | | | |

T-25-01

8.0 Amps ITrms (Cont'd)

| TO-220AB Package (Cont'd) | | | | | | | | | | | | |
|---------------------------|-----|---------|-----|------|----|----|----|----|------|-----|------|-------|
| T2800B | 8.0 | TO220AB | 200 | .100 | 25 | 60 | 25 | 60 | 2.50 | 30 | 2.00 | 30.00 |
| T2800C | 8.0 | TO220AB | 300 | .100 | 25 | 60 | 25 | 60 | 2.50 | 30 | 2.00 | 30.00 |
| T2800D | 8.0 | TO220AB | 400 | .100 | 25 | 60 | 25 | 60 | 2.50 | 30 | 2.00 | 30.00 |
| T2800E | 8.0 | TO220AB | 500 | .100 | 25 | 60 | 25 | 60 | 2.50 | 30 | 2.00 | 30.00 |
| T2800M | 8.0 | TO220AB | 600 | .100 | 25 | 60 | 25 | 60 | 2.50 | 30 | 2.00 | 30.00 |
| T2802B | 8.0 | TO220AB | 200 | .100 | 50 | | 50 | | 2.50 | 60 | 2.00 | 30.00 |
| T2802C | 8.0 | TO220AB | 300 | .100 | 50 | | 50 | | 2.50 | 60 | 2.00 | 30.00 |
| T2802D | 8.0 | TO220AB | 400 | .100 | 50 | | 50 | | 2.50 | 60 | 2.00 | 30.00 |
| T2802E | 8.0 | TO220AB | 500 | .100 | 50 | | 50 | | 2.50 | 60 | 2.00 | 30.00 |
| T2802M | 8.0 | TO220AB | 600 | .100 | 50 | | 50 | | 2.50 | 60 | 2.00 | 30.00 |
| T48 | 8.0 | TO220AB | 400 | .100 | 80 | | 80 | | 2.50 | 100 | 1.70 | 8.00 |
| T68 | 8.0 | TO220AB | 600 | .100 | 80 | | 80 | | 2.50 | 100 | 1.70 | 8.00 |
| TIC226B | 8.0 | TO220AB | 200 | .100 | 50 | 50 | 50 | | 2.50 | 60 | 2.10 | 12.00 |
| TIC226D | 8.0 | TO220AB | 400 | .100 | 50 | 50 | 50 | | 2.50 | 60 | 2.10 | 12.00 |
| TIC226M | 8.0 | TO220AB | 600 | .100 | 50 | 50 | 50 | | 2.50 | 60 | 2.10 | 12.00 |

| TO-220AB/I Package (Note 1) | | | | | | | | | | | | |
|-----------------------------|-----|-----------|-----|------|----|----|----|-----|------|-----|------|-------|
| BTA08200B | 8.0 | TO220AB/I | 200 | .100 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.75 | 11.00 |
| BTA08200C | 8.0 | TO220AB/I | 200 | .100 | 25 | 25 | 25 | 50 | 2.50 | 25 | 1.75 | 11.00 |
| BTA08200S | 8.0 | TO220AB/I | 200 | .100 | 10 | 10 | 10 | 10 | 2.50 | 25 | 1.75 | 11.00 |
| BTA08400B | 8.0 | TO220AB/I | 400 | .100 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.75 | 11.00 |
| BTA08400C | 8.0 | TO220AB/I | 400 | .100 | 25 | 25 | 25 | 50 | 2.50 | 25 | 1.75 | 11.00 |
| BTA08400S | 8.0 | TO220AB/I | 400 | .100 | 10 | 10 | 10 | 10 | 2.50 | 25 | 1.75 | 11.00 |
| BTA08600B | 8.0 | TO220AB/I | 600 | .100 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.75 | 11.00 |
| BTA08600C | 8.0 | TO220AB/I | 600 | .100 | 25 | 25 | 25 | 50 | 2.50 | 25 | 1.75 | 11.00 |
| BTA08600S | 8.0 | TO220AB/I | 600 | .100 | 10 | 10 | 10 | 10 | 2.50 | 25 | 1.75 | 11.00 |
| BTA08800B | 8.0 | TO220AB/I | 800 | .100 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.75 | 11.00 |
| BTA08800C | 8.0 | TO220AB/I | 800 | .100 | 25 | 25 | 25 | 50 | 2.50 | 25 | 1.75 | 11.00 |
| L2008L6 | 8.0 | TO220AB/I | 200 | .020 | 5 | 5 | 5 | 25 | 2.00 | 15 | 1.60 | 8.00 |
| L2008L7 | 8.0 | TO220AB/I | 200 | .020 | 10 | 10 | 10 | 10 | 2.00 | 15 | 1.60 | 8.00 |
| L2008L9 | 8.0 | TO220AB/I | 200 | .020 | 25 | 25 | 25 | 25 | 2.00 | 30 | 1.60 | 8.00 |
| L4008L6 | 8.0 | TO220AB/I | 400 | .020 | 5 | 5 | 5 | 25 | 2.00 | 15 | 1.60 | 8.00 |
| L4008L7 | 8.0 | TO220AB/I | 400 | .020 | 10 | 10 | 10 | 10 | 2.00 | 15 | 1.60 | 8.00 |
| L4008L9 | 8.0 | TO220AB/I | 400 | .020 | 25 | 25 | 25 | 25 | 2.00 | 30 | 1.60 | 8.00 |
| L6008L9 | 8.0 | TO220AB/I | 600 | .020 | 25 | 25 | 25 | 25 | 2.00 | 30 | 1.60 | 8.00 |
| MAC21810FP | 8.0 | TO220AB/I | 800 | .010 | 50 | 50 | 50 | 50 | 2.00 | 50 | 2.00 | 11.30 |
| MAC2184FP | 8.0 | TO220AB/I | 200 | .010 | 50 | 50 | 50 | 50 | 2.00 | 50 | 2.00 | 11.30 |
| MAC2186FP | 8.0 | TO220AB/I | 400 | .010 | 50 | 50 | 50 | 50 | 2.00 | 50 | 2.00 | 11.30 |
| MAC2188FP | 8.0 | TO220AB/I | 600 | .010 | 50 | 50 | 50 | 50 | 2.00 | 50 | 2.00 | 11.30 |
| MAC218A10FP | 8.0 | TO220AB/I | 800 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 2.00 | 11.30 |
| MAC218A4FP | 8.0 | TO220AB/I | 200 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 2.00 | 11.30 |
| MAC218A6FP | 8.0 | TO220AB/I | 400 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 2.00 | 11.30 |
| MAC218A8FP | 8.0 | TO220AB/I | 600 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 2.00 | 11.30 |
| MAC22810FP | 8.0 | TO220AB/I | 800 | .010 | 5 | 5 | 5 | 10 | 2.00 | 15 | 1.80 | 11.00 |
| MAC2284FP | 8.0 | TO220AB/I | 200 | .010 | 5 | 5 | 5 | 10 | 2.00 | 15 | 1.80 | 11.00 |
| MAC2286FP | 8.0 | TO220AB/I | 400 | .010 | 5 | 5 | 5 | 10 | 2.00 | 15 | 1.80 | 11.00 |
| MAC2288FP | 8.0 | TO220AB/I | 600 | .010 | 5 | 5 | 5 | 10 | 2.00 | 15 | 1.80 | 11.00 |
| Q2008L4 | 8.0 | TO220AB/I | 200 | .050 | 25 | 25 | 25 | 25 | 2.50 | 50 | 1.60 | 8.00 |
| Q2008L5 | 8.0 | TO220AB/I | 200 | .050 | 50 | 50 | 50 | 50 | 2.50 | 50 | 1.60 | 8.00 |
| Q4008L4 | 8.0 | TO220AB/I | 400 | .050 | 25 | 25 | 25 | 25 | 2.50 | 50 | 1.60 | 8.00 |
| Q4008L5 | 8.0 | TO220AB/I | 400 | .050 | 50 | 50 | 50 | 50 | 2.50 | 50 | 1.60 | 8.00 |
| Q5008L4 | 8.0 | TO220AB/I | 500 | .050 | 25 | 25 | 25 | 25 | 2.50 | 50 | 1.60 | 8.00 |
| Q6008L4 | 8.0 | TO220AB/I | 600 | .050 | 25 | 25 | 25 | 25 | 2.50 | 50 | 1.60 | 8.00 |
| Q6008L5 | 8.0 | TO220AB/I | 600 | .050 | 50 | 50 | 50 | 50 | 2.50 | 50 | 1.60 | 8.00 |
| SC142B | 8.0 | TO220AB/I | 200 | .100 | 50 | 50 | 50 | 50 | 2.50 | 50 | 1.75 | 11.50 |
| SC142D | 8.0 | TO220AB/I | 400 | .100 | 50 | 50 | 50 | 50 | 2.50 | 50 | 1.75 | 11.50 |
| SC142M | 8.0 | TO220AB/I | 600 | .100 | 50 | 50 | 50 | 50 | 2.50 | 50 | 1.75 | 11.50 |
| T0812BJ | 8.0 | TO220AB/I | 200 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.75 | 15.00 |
| T0812DJ | 8.0 | TO220AB/I | 400 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.75 | 15.00 |
| T0812MJ | 8.0 | TO220AB/I | 600 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.75 | 15.00 |
| T0812NJ | 8.0 | TO220AB/I | 800 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.75 | 15.00 |
| T2850B | 8.0 | TO220AB/I | 200 | .200 | 25 | 60 | 25 | 60 | 2.50 | 30 | 2.00 | 30.00 |
| T2850D | 8.0 | TO220AB/I | 400 | .200 | 25 | 60 | 25 | 60 | 2.50 | 30 | 2.00 | 30.00 |
| T2850M | 8.0 | TO220AB/I | 600 | .200 | 25 | 60 | 25 | 60 | 2.50 | 30 | 2.00 | 30.00 |
| T28I | 8.0 | TO220AB/I | 200 | .100 | 80 | | 80 | | 2.50 | 60 | 1.70 | 8.00 |
| T48I | 8.0 | TO220AB/I | 400 | .100 | 80 | | 80 | | 2.50 | 60 | 1.70 | 8.00 |
| T68I | 8.0 | TO220AB/I | 600 | .100 | 80 | | 80 | | 2.50 | 100 | 1.70 | 8.00 |

10.0 Amps ITrms

| 1/2" PFI/TO-3 Package (Note 1) | | | | | | | | | | | | |
|--------------------------------|------|------------|-----|------|----|----|----|--|------|----|------|-------|
| SC245B4 | 10.0 | 1/2PFI/TO3 | 200 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |
| SC245D4 | 10.0 | 1/2PFI/TO3 | 400 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |
| SC245M4 | 10.0 | 1/2PFI/TO3 | 600 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |

| PART No. | ITrms Amps | PACKAGE | VDRM Volts | IDRM mAmps | TRIAC | | | | VGT Volts | Ih mAmps | T-25-01 | |
|----------|---------------|---------|---------------|---------------|-------|-----|----|----|--------------|-------------|--------------|-------------|
| | | | | | Q1 | IGT | | Q4 | | | VTM Volts | ITM Amps |
| | | | | | Q2 | Q3 | Q4 | | | | | |

10.0 Amps ITrms (Cont'd)

| 1/2"PF/TO-3 Package | | | | | | | | | | | | |
|---------------------|------|-----------|-----|------|----|----|----|--|------|----|------|-------|
| SC245B5 | 10.0 | 1/2PF/TO3 | 200 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |
| SC245D5 | 10.0 | 1/2PF/TO3 | 400 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |
| SC245M5 | 10.0 | 1/2PF/TO3 | 600 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |

| 5/8"SWG Package (Note 1) | | | | | | | | | | | | |
|--------------------------|------|--------|-----|------|----|----|----|----|------|----|------|-------|
| Q2010 | 10.0 | 5/8SWG | 200 | .050 | 50 | 50 | 50 | 75 | 2.50 | 50 | 1.60 | 10.00 |
| Q4010 | 10.0 | 5/8SWG | 400 | .050 | 50 | 50 | 50 | 75 | 2.50 | 50 | 1.60 | 10.00 |
| Q6010 | 10.0 | 5/8SWG | 600 | .050 | 50 | 50 | 50 | 75 | 2.50 | 50 | 1.60 | 10.00 |

| TO-202AB Package | | | | | | | | | | | | |
|------------------|------|---------|-----|------|----|----|----|--|------|----|------|-------|
| Q2010F51 | 10.0 | TO202AB | 200 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 10.00 |
| Q4010F51 | 10.0 | TO202AB | 400 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 10.00 |
| Q5010F51 | 10.0 | TO202AB | 500 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 10.00 |
| Q6010F51 | 10.0 | TO202AB | 600 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 10.00 |

| TO-203 Package | | | | | | | | | | | | |
|----------------|------|-------|-----|------|----|----|----|--|------|----|------|-------|
| SC246B | 10.0 | TO203 | 200 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |
| SC246D | 10.0 | TO203 | 400 | .100 | 50 | 50 | 50 | | 2.50 | 25 | 1.65 | 14.00 |
| SC246M | 10.0 | TO203 | 600 | .100 | 50 | 50 | 50 | | 2.50 | 25 | 1.65 | 14.00 |

| TO-220AB Package | | | | | | | | | | | | |
|------------------|------|---------|-----|------|----|----|----|-----|------|----|------|-------|
| BTB10200B | 10.0 | TO220AB | 200 | .100 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.50 | 14.00 |
| BTB10400B | 10.0 | TO220AB | 400 | .100 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.50 | 14.00 |
| BTB10600B | 10.0 | TO220AB | 600 | .100 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.50 | 14.00 |
| BTB10800B | 10.0 | TO220AB | 800 | .100 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.50 | 14.00 |
| MAC21010 | 10.0 | TO220AB | 800 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.65 | 14.00 |
| MAC2104 | 10.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.65 | 14.00 |
| MAC2106 | 10.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.65 | 14.00 |
| MAC2108 | 10.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.65 | 14.00 |
| MAC210A10 | 10.0 | TO220AB | 800 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.65 | 14.00 |
| MAC210A4 | 10.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.65 | 14.00 |
| MAC210A6 | 10.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.65 | 14.00 |
| MAC210A8 | 10.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.65 | 14.00 |
| MAC3104 | 10.0 | TO220AB | 200 | .10 | 5 | 5 | 5 | | 2.00 | 15 | 2.00 | 14.00 |
| MAC3106 | 10.0 | TO220AB | 400 | .10 | 5 | 5 | 5 | | 2.00 | 15 | 2.00 | 14.00 |
| MAC3108 | 10.0 | TO220AB | 600 | .10 | 5 | 5 | 5 | | 2.00 | 15 | 2.00 | 14.00 |
| MAC310A4 | 10.0 | TO220AB | 200 | .10 | 5 | 5 | 5 | 10 | 2.00 | 15 | 2.00 | 14.00 |
| MAC310A6 | 10.0 | TO220AB | 400 | .10 | 5 | 5 | 5 | 10 | 2.00 | 15 | 2.00 | 14.00 |
| MAC310A8 | 10.0 | TO220AB | 600 | .10 | 5 | 5 | 5 | 10 | 2.00 | 15 | 2.00 | 14.00 |
| Q2010R5 | 10.0 | TO220AB | 200 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 10.00 |
| Q4010R5 | 10.0 | TO220AB | 400 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 10.00 |
| Q5010R5 | 10.0 | TO220AB | 500 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 10.00 |
| Q6010R5 | 10.0 | TO220AB | 600 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 10.00 |
| SC146B | 10.0 | TO220AB | 200 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |
| SC146D | 10.0 | TO220AB | 400 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |
| SC146E | 10.0 | TO220AB | 500 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |
| SC146M | 10.0 | TO220AB | 600 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |

| TO-220AB/I Package (Note 1) | | | | | | | | | | | | |
|-----------------------------|------|-----------|-----|------|----|----|----|-----|------|----|------|-------|
| BTA10200C | 10.0 | TO220AB/I | 200 | .100 | 25 | 25 | 25 | 50 | 2.50 | 25 | 1.50 | 14.00 |
| BTA10400C | 10.0 | TO220AB/I | 400 | .100 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.50 | 14.00 |
| BTA10400C | 10.0 | TO220AB/I | 400 | .100 | 25 | 25 | 25 | 50 | 2.50 | 25 | 1.50 | 14.00 |
| BTA10600C | 10.0 | TO220AB/I | 600 | .100 | 25 | 25 | 25 | 50 | 2.50 | 25 | 1.50 | 14.00 |
| BTA10800B | 10.0 | TO220AB/I | 800 | .100 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.50 | 14.00 |
| BTA10800C | 10.0 | TO220AB/I | 800 | .100 | 25 | 25 | 25 | 50 | 2.50 | 25 | 1.50 | 14.00 |
| MAC21010FP | 10.0 | TO220AB/I | 800 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.65 | 14.00 |
| MAC2104FP | 10.0 | TO220AB/I | 200 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.65 | 14.00 |
| MAC2106FP | 10.0 | TO220AB/I | 400 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.65 | 14.00 |
| MAC2108FP | 10.0 | TO220AB/I | 600 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.65 | 14.00 |
| MAC210A10FP | 10.0 | TO220AB/I | 800 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.65 | 14.00 |
| MAC210A4FP | 10.0 | TO220AB/I | 200 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.65 | 14.00 |
| MAC210A6FP | 10.0 | TO220AB/I | 400 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.65 | 14.00 |
| MAC210A8FP | 10.0 | TO220AB/I | 600 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.65 | 14.00 |
| Q2010L4 | 10.0 | TO220AB/I | 200 | .050 | 25 | 25 | 25 | | 2.50 | 50 | 1.60 | 10.00 |
| Q2010L5 | 10.0 | TO220AB/I | 200 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 10.00 |
| Q4010L5 | 10.0 | TO220AB/I | 400 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 10.00 |
| Q5010L5 | 10.0 | TO220AB/I | 500 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 10.00 |
| Q6010L5 | 10.0 | TO220AB/I | 600 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 10.00 |
| SC147B | 10.0 | TO220AB/I | 200 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.50 | 14.00 |
| SC147D | 10.0 | TO220AB/I | 400 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.50 | 14.00 |
| SC147E | 10.0 | TO220AB/I | 500 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.50 | 14.00 |
| SC147M | 10.0 | TO220AB/I | 600 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.50 | 14.00 |
| T210I | 10.0 | TO220AB/I | 200 | .100 | 80 | | 80 | | 2.50 | 60 | 1.60 | 10.00 |
| T410I | 10.0 | TO220AB/I | 400 | .100 | 80 | | 80 | | 2.50 | 60 | 1.60 | 10.00 |
| T610I | 10.0 | TO220AB/I | 600 | .100 | 80 | | 80 | | 2.50 | 60 | 1.60 | 10.00 |

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| PART No. | ITrms Amps | PACKAGE | VDRM Volts | IDRM mAmps | IGT | | | | VGT Volts | Ih mAmps | VTM Volts | ITM Amps |
|----------|---------------|---------|---------------|---------------|-----|----|----|----|--------------|-------------|--------------|-------------|
| | | | | | Q1 | Q2 | Q3 | Q4 | | | | |

10.0 Amps ITrms (Cont'd)

| TO-48 Package | | | | | | | | | | | | |
|---------------|------|------|-----|------|----|----|----|----|------|----|------|-------|
| 2N5569 | 10.0 | TO48 | 200 | .100 | 45 | 80 | 45 | 80 | 2.50 | 30 | 1.65 | 14.00 |
| 2N5570 | 10.0 | TO48 | 400 | .100 | 45 | 80 | 45 | 80 | 2.50 | 30 | 1.65 | 14.00 |
| SC245B1 | 10.0 | TO48 | 200 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |
| SC245D1 | 10.0 | TO48 | 400 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |
| SC245M1 | 10.0 | TO48 | 600 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 14.00 |

12.0 Amps ITrms

| TO-220AB Package | | | | | | | | | | | | |
|------------------|------|---------|-----|------|----|----|----|-----|------|----|------|-------|
| 2N6342A | 12.0 | TO220AB | 200 | .100 | 50 | | 50 | | 2.00 | 40 | 1.75 | 17.00 |
| 2N6343A | 12.0 | TO220AB | 400 | .100 | 50 | | 50 | | 2.00 | 40 | 1.75 | 17.00 |
| 2N6344A | 12.0 | TO220AB | 600 | .100 | 50 | | 50 | | 2.00 | 40 | 1.75 | 17.00 |
| 2N6345A | 12.0 | TO220AB | 800 | .100 | 50 | | 50 | | 2.00 | 40 | 1.75 | 17.00 |
| 2N6346A | 12.0 | TO220AB | 200 | .100 | 50 | 75 | 50 | 75 | 2.50 | 40 | 1.75 | 17.00 |
| 2N6347A | 12.0 | TO220AB | 400 | .100 | 50 | 75 | 50 | 75 | 2.50 | 40 | 1.75 | 17.00 |
| 2N6348A | 12.0 | TO220AB | 600 | .100 | 50 | 75 | 50 | 75 | 2.50 | 40 | 1.75 | 17.00 |
| 2N6349A | 12.0 | TO220AB | 800 | .100 | 50 | | 50 | | 2.50 | 40 | 1.75 | 17.00 |
| BTB12200B | 12.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | 100 | 1.50 | 50 | 1.50 | 17.00 |
| BTB12200C | 12.0 | TO220AB | 200 | .010 | 25 | 25 | 25 | 50 | 1.50 | 25 | 1.50 | 17.00 |
| BTB12400B | 12.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | 100 | 1.50 | 50 | 1.50 | 17.00 |
| BTB12400C | 12.0 | TO220AB | 400 | .010 | 25 | 25 | 25 | 50 | 1.50 | 25 | 1.50 | 17.00 |
| BTB12600B | 12.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | 100 | 1.50 | 50 | 1.50 | 17.00 |
| BTB12600C | 12.0 | TO220AB | 600 | .010 | 25 | 25 | 25 | 50 | 1.50 | 25 | 1.50 | 17.00 |
| MAC21210 | 12.0 | TO220AB | 800 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.75 | 17.00 |
| MAC2124 | 12.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.75 | 17.00 |
| MAC2126 | 12.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.75 | 17.00 |
| MAC2128 | 12.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.75 | 17.00 |
| MAC212A10 | 12.0 | TO220AB | 800 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.75 | 17.00 |
| MAC212A4 | 12.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.75 | 17.00 |
| MAC212A6 | 12.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.75 | 17.00 |
| MAC212A8 | 12.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.75 | 17.00 |
| Q2012R5 | 12.0 | TO220AB | 200 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 12.00 |
| Q4012R5 | 12.0 | TO220AB | 400 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 12.00 |
| Q5012R5 | 12.0 | TO220AB | 500 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 12.00 |
| Q6012R5 | 12.0 | TO220AB | 600 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 12.00 |
| SC149B | 12.0 | TO220AB | 200 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 17.00 |
| SC149D | 12.0 | TO220AB | 400 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 17.00 |
| SC149E | 12.0 | TO220AB | 500 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 17.00 |
| SC149M | 12.0 | TO220AB | 600 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 17.00 |
| T1210BH | 12.0 | TO220AB | 200 | .010 | 25 | 25 | 25 | 25 | 2.50 | 50 | 1.65 | 17.00 |
| T1210BH | 12.0 | TO220AB | 400 | .010 | 25 | 25 | 25 | 25 | 2.50 | 50 | 1.65 | 17.00 |
| T1210MH | 12.0 | TO220AB | 600 | .010 | 25 | 25 | 25 | 25 | 2.50 | 50 | 1.65 | 17.00 |
| T1210NH | 12.0 | TO220AB | 800 | .010 | 25 | 25 | 25 | 25 | 2.50 | 50 | 1.65 | 17.00 |
| TIC236B | 12.0 | TO220AB | 200 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 2.10 | 17.00 |
| TIC236D | 12.0 | TO220AB | 400 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 2.10 | 17.00 |
| TIC236M | 12.0 | TO220AB | 600 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 2.10 | 17.00 |
| TIC236N | 12.0 | TO220AB | 800 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 2.10 | 17.00 |

| TO-220AB/I Package (Note 1) | | | | | | | | | | | | |
|-----------------------------|------|-----------|-----|------|----|----|----|-----|------|----|------|-------|
| BTA12200B | 12.0 | TO220AB/I | 200 | .010 | 50 | 50 | 50 | 100 | 1.50 | 50 | 1.50 | 17.00 |
| BTA12200C | 12.0 | TO220AB/I | 200 | .010 | 25 | 25 | 25 | 50 | 1.50 | 25 | 1.50 | 17.00 |
| BTA12400B | 12.0 | TO220AB/I | 400 | .010 | 50 | 50 | 50 | 100 | 1.50 | 50 | 1.50 | 17.00 |
| BTA12400C | 12.0 | TO220AB/I | 400 | .010 | 25 | 25 | 25 | 50 | 1.50 | 25 | 1.50 | 17.00 |
| BTA12600B | 12.0 | TO220AB/I | 600 | .010 | 50 | 50 | 50 | 100 | 1.50 | 50 | 1.50 | 17.00 |
| BTA12600C | 12.0 | TO220AB/I | 600 | .010 | 25 | 25 | 25 | 50 | 1.50 | 25 | 1.50 | 17.00 |
| MAC21210FP | 12.0 | TO220AB/I | 800 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.75 | 17.00 |
| MAC2124FP | 12.0 | TO220AB/I | 200 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.75 | 17.00 |
| MAC2126FP | 12.0 | TO220AB/I | 400 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.75 | 17.00 |
| MAC2128FP | 12.0 | TO220AB/I | 600 | .010 | 50 | 50 | 50 | | 2.00 | 50 | 1.75 | 17.00 |
| MAC212A10FP | 12.0 | TO220AB/I | 800 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.75 | 17.00 |
| MAC212A4FP | 12.0 | TO220AB/I | 200 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.75 | 17.00 |
| MAC212A6FP | 12.0 | TO220AB/I | 400 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.75 | 17.00 |
| MAC212A8FP | 12.0 | TO220AB/I | 600 | .010 | 50 | 50 | 50 | 75 | 2.00 | 50 | 1.75 | 17.00 |
| Q2012L5 | 12.0 | TO220AB/I | 200 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 12.00 |
| Q4012L5 | 12.0 | TO220AB/I | 400 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 12.00 |
| Q5012L5 | 12.0 | TO220AB/I | 500 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 12.00 |
| Q6012L5 | 12.0 | TO220AB/I | 600 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 12.00 |

15.0 Amps ITrms

| 5/8"SWG/TO3 Packag (Note 1) | | | | | | | | | | | | |
|-----------------------------|------|-----------|-----|------|----|----|----|----|------|----|------|-------|
| Q2015A | 15.0 | 5/8SWGTO3 | 200 | .050 | 50 | 50 | 50 | 75 | 2.50 | 70 | 1.60 | 15.00 |

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| PART No. | ITrms Amps | PACKAGE | VDRM Volts | IDRM mAmps | IGT | | | | VGT Volts | Ih mAmps | VTM Volts | ITM Amps |
|----------|---------------|---------|---------------|---------------|-----|----|----|----|--------------|-------------|--------------|-------------|
| | | | | | Q1 | Q2 | Q3 | Q4 | | | | |

15.0 Amps ITrms (Cont'd)

| 5/8"SWG/TO3 Package (Cont'd) | | | | | | | | | | | | |
|------------------------------|------|------------|-----|------|----|----|----|----|------|----|------|-------|
| Q4015A | 15.0 | 5/8SWG/TO3 | 400 | .050 | 50 | 50 | 50 | 75 | 2.50 | 70 | 1.60 | 15.00 |
| Q5015A | 15.0 | 5/8SWG/TO3 | 500 | .050 | 50 | 50 | 50 | 75 | 2.50 | 70 | 1.60 | 15.00 |
| Q6015A | 15.0 | 5/8SWG/TO3 | 600 | .050 | 50 | 50 | 50 | 75 | 2.50 | 70 | 1.60 | 15.00 |

| 5/8"SWG/I Package (Note 1) | | | | | | | | | | | | |
|----------------------------|------|----------|-----|------|----|----|----|----|------|----|------|-------|
| Q2015 | 15.0 | 5/8SWG/I | 200 | .050 | 50 | 50 | 50 | 75 | 2.50 | 70 | 1.60 | 15.00 |
| Q4015 | 15.0 | 5/8SWG/I | 400 | .050 | 50 | 50 | 50 | 75 | 2.50 | 70 | 1.60 | 15.00 |
| Q6015 | 15.0 | 5/8SWG/I | 600 | .050 | 50 | 50 | 50 | 75 | 2.50 | 70 | 1.60 | 15.00 |

| SC66PFIS Package (Note 1) | | | | | | | | | | | | |
|---------------------------|------|----------|-----|------|----|----|----|----|------|----|------|-------|
| 2N6145 | 15.0 | SC66PFIS | 200 | .010 | 50 | 80 | 50 | 80 | 2.50 | 75 | 1.80 | 21.00 |
| 2N6146 | 15.0 | SC66PFIS | 400 | .010 | 50 | 80 | 50 | 80 | 2.50 | 75 | 1.80 | 21.00 |
| 2N6147 | 15.0 | SC66PFIS | 600 | .010 | 50 | 80 | 50 | 80 | 2.50 | 75 | 1.80 | 21.00 |
| SC250B2 | 15.0 | SC66PFIS | 200 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 21.00 |
| SC250D2 | 15.0 | SC66PFIS | 400 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 21.00 |
| SC250M2 | 15.0 | SC66PFIS | 600 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 21.00 |

| TO-203 Package | | | | | | | | | | | | |
|----------------|------|-------|-----|------|----|----|----|----|------|----|------|-------|
| 2N5571 | 15.0 | TO203 | 200 | .010 | 50 | 80 | 50 | 80 | 2.50 | 75 | 1.80 | 21.00 |
| 2N5572 | 15.0 | TO203 | 400 | .010 | 50 | 80 | 50 | 80 | 2.50 | 75 | 1.80 | 21.00 |
| SC251B | 15.0 | TO203 | 200 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 21.00 |
| SC251D | 15.0 | TO203 | 400 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 21.00 |
| SC251M | 15.0 | TO203 | 600 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.65 | 21.00 |

| TO-220AB Package | | | | | | | | | | | | |
|------------------|------|---------|-----|------|----|----|----|-----|------|----|------|-------|
| BTB15200B | 15.0 | TO220AB | 200 | .050 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.50 | 21.00 |
| BTB15400B | 15.0 | TO220AB | 400 | .050 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.50 | 21.00 |
| BTB15600B | 15.0 | TO220AB | 600 | .050 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.50 | 21.00 |
| MAC1510 | 15.0 | TO220AB | 800 | .010 | 50 | 50 | 50 | | 2.00 | 40 | 1.60 | 21.00 |
| MAC154 | 15.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | | 2.00 | 40 | 1.60 | 21.00 |
| MAC156 | 15.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | | 2.00 | 40 | 1.60 | 21.00 |
| MAC158 | 15.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | | 2.00 | 40 | 1.60 | 21.00 |
| MAC15A10 | 15.0 | TO220AB | 800 | .010 | 50 | 50 | 50 | 75 | 2.00 | 40 | 1.60 | 21.00 |
| MAC15A4 | 15.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | 75 | 2.00 | 40 | 1.60 | 21.00 |
| MAC15A6 | 15.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | 75 | 2.00 | 40 | 1.60 | 21.00 |
| MAC15A8 | 15.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | 75 | 2.00 | 40 | 1.60 | 21.00 |
| Q2015R5 | 15.0 | TO220AB | 200 | .050 | 50 | 50 | 50 | | 2.50 | 70 | 1.60 | 15.00 |
| Q4015R5 | 15.0 | TO220AB | 400 | .050 | 50 | 50 | 50 | | 2.50 | 70 | 1.60 | 15.00 |
| Q5015R5 | 15.0 | TO220AB | 500 | .050 | 50 | 50 | 50 | | 2.50 | 70 | 1.60 | 15.00 |
| Q6015R5 | 15.0 | TO220AB | 600 | .050 | 50 | 50 | 50 | | 2.50 | 70 | 1.60 | 15.00 |
| Q6015R6 | 15.0 | TO220AB | 600 | .050 | 80 | 80 | 80 | | 2.50 | 80 | 1.60 | 15.00 |
| SC151B | 15.0 | TO220AB | 200 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.52 | 21.00 |
| SC151D | 15.0 | TO220AB | 400 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.52 | 21.00 |
| SC151E | 15.0 | TO220AB | 500 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.52 | 21.00 |
| SC151M | 15.0 | TO220AB | 600 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.52 | 21.00 |
| T215 | 15.0 | TO220AB | 200 | .100 | 80 | | 80 | | 2.50 | 50 | 1.70 | 15.00 |
| T415 | 15.0 | TO220AB | 400 | .100 | 80 | | 80 | | 2.50 | 60 | 1.70 | 15.00 |
| T615 | 15.0 | TO220AB | 600 | .100 | 80 | | 80 | | 2.50 | 80 | 1.70 | 15.00 |

| TO-220AB/I Package (Note 1) | | | | | | | | | | | | |
|-----------------------------|------|-----------|-----|------|-----|-----|-----|----|------|-----|------|-------|
| MAC1510AFP | 15.0 | TO220AB/I | 800 | .010 | 50 | 50 | 50 | 75 | 2.00 | 40 | 1.60 | 21.00 |
| MAC1510FP | 15.0 | TO220AB/I | 800 | .010 | 50 | 50 | 50 | | 2.00 | 40 | 1.60 | 21.00 |
| MAC154AFP | 15.0 | TO220AB/I | 200 | .010 | 50 | 50 | 50 | 75 | 2.00 | 40 | 1.60 | 21.00 |
| MAC154FP | 15.0 | TO220AB/I | 200 | .010 | 50 | 50 | 50 | | 2.00 | 40 | 1.60 | 21.00 |
| MAC156AFP | 15.0 | TO220AB/I | 400 | .010 | 50 | 50 | 50 | 75 | 2.00 | 40 | 1.60 | 21.00 |
| MAC156FP | 15.0 | TO220AB/I | 400 | .010 | 50 | 50 | 50 | | 2.00 | 40 | 1.60 | 21.00 |
| MAC158AFP | 15.0 | TO220AB/I | 600 | .010 | 50 | 50 | 50 | 75 | 2.00 | 40 | 1.60 | 21.00 |
| MAC158FP | 15.0 | TO220AB/I | 600 | .010 | 50 | 50 | 50 | | 2.00 | 40 | 1.60 | 21.00 |
| Q2015L5 | 15.0 | TO220AB/I | 200 | .050 | 50 | 50 | 50 | | 2.50 | 70 | 1.60 | 15.00 |
| Q4015L4 | 15.0 | TO220AB/I | 400 | .050 | 25 | 25 | 25 | | 2.50 | 50 | 1.60 | 15.00 |
| Q4015L5 | 15.0 | TO220AB/I | 400 | .050 | 50 | 50 | 50 | | 2.50 | 70 | 1.60 | 15.00 |
| Q2015L9ALT | 15.0 | TO220AB/I | 200 | .050 | 125 | 125 | 125 | | 2.50 | 70 | 1.60 | 15.00 |
| Q4015L9ALT | 15.0 | TO220AB/I | 400 | .050 | 125 | 125 | 125 | | 2.50 | 70 | 1.60 | 15.00 |
| Q6015L9ALT | 15.0 | TO220AB/I | 600 | .050 | 125 | 125 | 125 | | 2.50 | 70 | 1.60 | 15.00 |
| Q5015L5 | 15.0 | TO220AB/I | 500 | .050 | 50 | 50 | 50 | | 2.50 | 70 | 1.60 | 15.00 |
| Q6015L5 | 15.0 | TO220AB/I | 600 | .050 | 50 | 50 | 50 | | 2.50 | 70 | 1.60 | 15.00 |
| Q8015L5 | 15.0 | TO220AB/I | 800 | .100 | 50 | 50 | 50 | | 2.50 | 70 | 1.60 | 15.00 |
| SC150B | 15.0 | TO220AB/I | 200 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.50 | 21.00 |
| SC150D | 15.0 | TO220AB/I | 400 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.50 | 21.00 |
| SC150M | 15.0 | TO220AB/I | 600 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.50 | 21.00 |
| T1512BJ | 15.0 | TO220AB/I | 200 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.40 | 30.00 |
| T1512DJ | 15.0 | TO220AB/I | 400 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.40 | 30.00 |
| T1512NJ | 15.0 | TO220AB/I | 800 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.40 | 30.00 |
| T215I | 15.0 | TO220AB/I | 200 | .100 | 80 | | 80 | | 2.50 | 80 | 1.70 | 15.00 |

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| PART No. | ITrms Amps | PACKAGE | VDRM Volts | IDRM mAmps | IGT | | | | VGT Volts | Ih mAmps | VTM Volts | ITM Amps |
|----------|---------------|---------|---------------|---------------|-----|----|----|----|--------------|-------------|--------------|-------------|
| | | | | | Q1 | Q2 | Q3 | Q4 | | | | |

15.0 Amps ITrms (Cont'd)

| TO-220AB/I Package (Cont'd) | | | | | | | | | | | | | |
|-----------------------------|------|-----------|-----|------|----|--|--|--|--|------|----|------|-------|
| T415I | 15.0 | TO220AB/I | 400 | .100 | 80 | | | | | 2.50 | 60 | 1.70 | 15.00 |
| T615I | 15.0 | TO220AB/I | 600 | .100 | 80 | | | | | 2.50 | 80 | 1.70 | 15.00 |
| T815I | 15.0 | TO220AB/I | 800 | .100 | 80 | | | | | 2.50 | 80 | 1.70 | 15.00 |

| TO-48 Package | | | | | | | | | | | | | |
|---------------|------|------|-----|------|----|----|----|----|--|------|----|------|-------|
| 2N5573 | 15.0 | TO48 | 200 | .100 | 50 | 80 | 50 | 80 | | 2.50 | 75 | 1.80 | 21.00 |
| 2N5574 | 15.0 | TO48 | 400 | .100 | 50 | 80 | 50 | 80 | | 2.50 | 75 | 1.80 | 21.00 |
| SC250B1 | 15.0 | TO48 | 200 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.65 | 21.00 |
| SC250D1 | 15.0 | TO48 | 400 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.65 | 21.00 |
| T4110B | 15.0 | TO48 | 200 | .050 | 50 | 80 | 50 | 80 | | 2.50 | 75 | 1.80 | 21.00 |
| T4110D | 15.0 | TO48 | 400 | .050 | 50 | 80 | 50 | 80 | | 2.50 | 75 | 1.80 | 21.00 |
| T4110M | 15.0 | TO48 | 600 | .050 | 50 | 80 | 50 | 80 | | 2.50 | 75 | 1.80 | 21.00 |

16.0 Amps ITrms

| TO-220AB Package | | | | | | | | | | | | | |
|------------------|------|---------|-----|------|----|----|----|-----|--|------|-----|------|-------|
| BTB16200B | 16.0 | TO220AB | 200 | .050 | 50 | 50 | 50 | 100 | | 2.50 | 50 | 1.60 | 22.50 |
| BTB16400B | 16.0 | TO220AB | 400 | .050 | 50 | 50 | 50 | 100 | | 2.50 | 50 | 1.60 | 22.50 |
| BTB16600B | 16.0 | TO220AB | 600 | .050 | 50 | 50 | 50 | 100 | | 2.50 | 50 | 1.60 | 22.50 |
| T1612BH | 16.0 | TO220AB | 200 | .100 | 50 | 50 | 50 | 50 | | 2.50 | 100 | 1.55 | 22.00 |
| T1612DH | 16.0 | TO220AB | 400 | .100 | 50 | 50 | 50 | 50 | | 2.50 | 100 | 1.55 | 22.00 |
| T1612MH | 16.0 | TO220AB | 600 | .100 | 50 | 50 | 50 | 50 | | 2.50 | 100 | 1.55 | 22.00 |
| T1612NH | 16.0 | TO220AB | 800 | .100 | 50 | 50 | 50 | 50 | | 2.50 | 100 | 1.55 | 22.00 |
| TIC246B | 16.0 | TO220AB | 200 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.70 | 22.00 |
| TIC246D | 16.0 | TO220AB | 400 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.70 | 22.00 |
| TIC246M | 16.0 | TO220AB | 600 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.70 | 22.00 |

| TO-220AB/I Package (Note 1) | | | | | | | | | | | | | |
|-----------------------------|------|-----------|-----|------|----|----|----|-----|--|------|----|------|-------|
| BTA16200B | 16.0 | TO220AB/I | 200 | .100 | 50 | 50 | 50 | 100 | | 2.50 | 50 | 1.60 | 22.50 |
| BTA16200C | 16.0 | TO220AB/I | 200 | .100 | 25 | 25 | 25 | 50 | | 2.50 | 50 | 1.60 | 22.50 |
| BTA16400B | 16.0 | TO220AB/I | 400 | .100 | 50 | 50 | 50 | 100 | | 2.50 | 50 | 1.60 | 22.50 |
| BTA16400C | 16.0 | TO220AB/I | 400 | .100 | 25 | 25 | 25 | 50 | | 2.50 | 50 | 1.60 | 22.50 |
| BTA16600B | 16.0 | TO220AB/I | 600 | .100 | 50 | 50 | 50 | 100 | | 2.50 | 50 | 1.60 | 22.50 |
| BTA16600C | 16.0 | TO220AB/I | 600 | .100 | 25 | 25 | 25 | 50 | | 2.50 | 50 | 1.60 | 22.50 |
| BTA16800B | 16.0 | TO220AB/I | 800 | .100 | 50 | 50 | 50 | 100 | | 2.50 | 50 | 1.60 | 22.50 |
| BTA16800C | 16.0 | TO220AB/I | 800 | .100 | 25 | 25 | 25 | 50 | | 2.50 | 50 | 1.60 | 22.50 |

20.0 Amps ITrms

| TO-218AA Package | | | | | | | | | | | | | |
|------------------|------|---------|-----|------|----|----|----|--|--|------|----|------|-------|
| TIC253B | 20.0 | TO218AA | 200 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.70 | 28.00 |
| TIC253D | 20.0 | TO218AA | 400 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.70 | 28.00 |
| TIC253M | 20.0 | TO218AA | 600 | .100 | 50 | 50 | 50 | | | 2.50 | 50 | 1.70 | 28.00 |

| TO-220AB Package | | | | | | | | | | | | | |
|------------------|------|---------|-----|------|----|----|----|----|--|------|----|------|-------|
| MAC32010 | 20.0 | TO220AB | 800 | .010 | 50 | 50 | 50 | | | 2.00 | 15 | 2.00 | 28.00 |
| MAC3204 | 20.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | | | 2.00 | 15 | 2.00 | 28.00 |
| MAC3206 | 20.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | | | 2.00 | 15 | 2.00 | 28.00 |
| MAC3208 | 20.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | | | 2.00 | 15 | 2.00 | 28.00 |
| MAC320A10 | 20.0 | TO220AB | 800 | .010 | 50 | 50 | 50 | 75 | | 2.00 | 15 | 2.00 | 28.00 |
| MAC320A4 | 20.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | 75 | | 2.00 | 15 | 2.00 | 28.00 |
| MAC320A6 | 20.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | 75 | | 2.00 | 15 | 2.00 | 28.00 |
| MAC320A8 | 20.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | 75 | | 2.00 | 15 | 2.00 | 28.00 |

| TO-220AB/I Package (Note 1) | | | | | | | | | | | | | |
|-----------------------------|------|-----------|-----|------|----|----|----|----|--|------|----|------|-------|
| MAC32010FP | 20.0 | TO220AB/I | 800 | .010 | 50 | 50 | 50 | | | 2.00 | 15 | 2.00 | 28.00 |
| MAC3204FP | 20.0 | TO220AB/I | 200 | .010 | 50 | 50 | 50 | | | 2.00 | 15 | 2.00 | 28.00 |
| MAC3206FP | 20.0 | TO220AB/I | 400 | .010 | 50 | 50 | 50 | | | 2.00 | 15 | 2.00 | 28.00 |
| MAC3208FP | 20.0 | TO220AB/I | 600 | .010 | 50 | 50 | 50 | | | 2.00 | 15 | 2.00 | 28.00 |
| MAC320A10FP | 20.0 | TO220AB/I | 800 | .010 | 50 | 50 | 50 | 75 | | 2.00 | 15 | 2.00 | 28.00 |
| MAC320A4FP | 20.0 | TO220AB/I | 200 | .010 | 50 | 50 | 50 | 75 | | 2.00 | 15 | 2.00 | 28.00 |
| MAC320A6FP | 20.0 | TO220AB/I | 400 | .010 | 50 | 50 | 50 | 75 | | 2.00 | 15 | 2.00 | 28.00 |
| MAC320A8FP | 20.0 | TO220AB/I | 600 | .010 | 50 | 50 | 50 | 75 | | 2.00 | 15 | 2.00 | 28.00 |

25.0 Amps ITrms

| 3/4"HEX STUD/I Package (Note 1) | | | | | | | | | | | | | |
|---------------------------------|------|------------|-----|------|----|----|----|--|--|------|----|------|-------|
| Q4025V5 | 25.0 | 3/4HEXST/I | 400 | .100 | 50 | 50 | 50 | | | 2.50 | 70 | 1.80 | 25.00 |
| Q4025V6 | 25.0 | 3/4HEXST/I | 400 | .100 | 80 | 80 | 80 | | | 2.50 | 80 | 1.80 | 25.00 |

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| PART No. | ITrms Amps | PACKAGE | VDRM Volts | IDRM mAmps | Q1 Q2 Q3 Q4 | | | | VGT Volts | Ih mAmps | VTM Volts | ITM Amps |
|----------|---------------|---------|---------------|---------------|-------------|--|--|--|--------------|-------------|--------------|-------------|
| | | | | | mAmps | | | | | | | |

25.0 Amps ITrms (Cont'd)

| 3/4"SWG/TO3 Package (Note 1) | | | | | | | | | | | | |
|------------------------------|------|-----------|-----|------|----|----|----|--|------|----|------|-------|
| Q2025Z6 | 25.0 | 3/4SWGTO3 | 200 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q4025Z6 | 25.0 | 3/4SWGTO3 | 400 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q5025Z6 | 25.0 | 3/4SWGTO3 | 500 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q6025Z6 | 25.0 | 3/4SWGTO3 | 600 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |

| 3/4"SWG/I Package (Note 1) | | | | | | | | | | | | |
|----------------------------|------|----------|-----|------|----|----|----|--|------|----|------|-------|
| Q2025Y6 | 25.0 | 3/4SWG/I | 200 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q4025Y6 | 25.0 | 3/4SWG/I | 400 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q6025Y5 | 25.0 | 3/4SWG/I | 600 | .100 | 50 | 50 | 50 | | 2.50 | 70 | 1.80 | 25.00 |
| Q6025Y6 | 25.0 | 3/4SWG/I | 600 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |

| RD100IFP Package | | | | | | | | | | | | |
|------------------|------|----------|-----|------|----|----|----|--|------|----|------|-------|
| SC160B | 25.0 | RD100IFP | 200 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.58 | 35.00 |
| SC160C | 25.0 | RD100IFP | 300 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.58 | 35.00 |
| SC160D | 25.0 | RD100IFP | 400 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.58 | 35.00 |
| SC160M | 25.0 | RD100IFP | 600 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.58 | 35.00 |
| SC160N | 25.0 | RD100IFP | 800 | .050 | 50 | 50 | 50 | | 2.50 | 50 | 1.60 | 35.00 |
| T225IFP | 25.0 | RD100IFP | 200 | .050 | 80 | | 80 | | 2.50 | 75 | 1.70 | 25.00 |
| T425IFP | 25.0 | RD100IFP | 400 | .050 | 80 | | 80 | | 2.50 | 75 | 1.70 | 25.00 |
| T625IFP | 25.0 | RD100IFP | 600 | .050 | 80 | | 80 | | 2.50 | 75 | 1.70 | 25.00 |

| RD101IFP Package (Note 1) | | | | | | | | | | | | |
|---------------------------|------|----------|-----|------|----|----|----|--|------|----|------|-------|
| Q2025P | 25.0 | RD101IFP | 200 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q4025P | 25.0 | RD101IFP | 400 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q5025P | 25.0 | RD101IFP | 500 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q6025P | 25.0 | RD101IFP | 600 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q8025P | 25.0 | RD101IFP | 800 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |

| RD91IFP Package | | | | | | | | | | | | |
|-----------------|------|---------|-----|------|-----|-----|-----|--|--|----|------|-------|
| TODV225ALT | 25.0 | RD91IFP | 200 | .050 | 150 | 150 | 150 | | | 50 | 1.80 | 35.00 |
| TODV425ALT | 25.0 | RD91IFP | 400 | .050 | 150 | 150 | 150 | | | 50 | 1.80 | 35.00 |
| TODV625ALT | 25.0 | RD91IFP | 600 | .050 | 150 | 150 | 150 | | | 50 | 1.80 | 35.00 |
| TODV825ALT | 25.0 | RD91IFP | 800 | .050 | 150 | 150 | 150 | | | 50 | 1.80 | 35.00 |

| SC66PFIS Package (Note 1) | | | | | | | | | | | | |
|---------------------------|------|----------|-----|------|----|----|----|--|------|----|------|-------|
| SC260B2 | 25.0 | SC66PFIS | 200 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.58 | 35.00 |
| SC260C2 | 25.0 | SC66PFIS | 300 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.58 | 35.00 |
| SC260D2 | 25.0 | SC66PFIS | 400 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.58 | 35.00 |
| SC260M2 | 25.0 | SC66PFIS | 600 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.58 | 35.00 |

| TO203/F Package | | | | | | | | | | | | |
|-----------------|------|---------|-----|------|----|----|----|--|------|----|------|-------|
| Q2025G | 25.0 | TO203/F | 200 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q4025G | 25.0 | TO203/F | 400 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q6025G | 25.0 | TO203/F | 600 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| SC261B | 25.0 | TO203/F | 200 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.58 | 35.00 |
| SC261D | 25.0 | TO203/F | 400 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.58 | 35.00 |
| SC261M | 25.0 | TO203/F | 600 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.58 | 35.00 |

| TO-218AC Package | | | | | | | | | | | | |
|------------------|------|---------|-----|------|----|----|----|--|------|----|------|-------|
| TIC263B | 25.0 | TO218AC | 200 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.70 | 35.00 |
| TIC263D | 25.0 | TO218AC | 400 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.70 | 35.00 |
| TIC263M | 25.0 | TO218AC | 600 | .100 | 50 | 50 | 50 | | 2.50 | 50 | 1.70 | 35.00 |

| TO-218AC/I Package (Note 1) | | | | | | | | | | | | |
|-----------------------------|------|-----------|-----|------|-----|-----|-----|-----|------|-----|------|-------|
| BTA26200A | 25.0 | TO218AC/I | 200 | .100 | 100 | 100 | 100 | 150 | 2.50 | 100 | 1.70 | 35.00 |
| BTA26200B | 25.0 | TO218AC/I | 200 | .600 | 50 | 50 | 50 | 100 | 1.50 | 80 | 1.70 | 35.00 |
| BTA26400A | 25.0 | TO218AC/I | 400 | .100 | 100 | 100 | 100 | 150 | 2.50 | 100 | 1.70 | 35.00 |
| BTA26400B | 25.0 | TO218AC/I | 400 | .600 | 50 | 50 | 50 | 100 | 1.50 | 80 | 1.70 | 35.00 |
| BTA26600A | 25.0 | TO218AC/I | 600 | .100 | 100 | 100 | 100 | 150 | 2.50 | 100 | 1.70 | 35.00 |
| BTA26600B | 25.0 | TO218AC/I | 600 | .600 | 50 | 50 | 50 | 100 | 1.50 | 80 | 1.70 | 35.00 |
| BTA26700A | 25.0 | TO218AC/I | 700 | .100 | 100 | 100 | 100 | 150 | 2.50 | 100 | 1.70 | 35.00 |
| Q2025K6 | 25.0 | TO218AC/I | 200 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q4025K6 | 25.0 | TO218AC/I | 400 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q6025K6 | 25.0 | TO218AC/I | 600 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| TPDV225ALT | 25.0 | TO218AC/I | 200 | .050 | 150 | 150 | 150 | | 2.50 | 50 | 1.80 | 35.00 |
| TPDV425ALT | 25.0 | TO218AC/I | 400 | .050 | 150 | 150 | 150 | | 2.50 | 50 | 1.80 | 35.00 |
| TPDV625ALT | 25.0 | TO218AC/I | 600 | .050 | 150 | 150 | 150 | | 2.50 | 50 | 1.80 | 35.00 |

| TO-218X Package | | | | | | | | | | | | |
|-----------------|------|--------|-----|------|----|----|----|--|------|----|------|-------|
| Q4025W6 | 25.0 | TO218X | 400 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q5025W6 | 25.0 | TO218X | 500 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q6025W6 | 25.0 | TO218X | 600 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |

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| PART No. | ITrms Amps | PACKAGE | VDRM Volts | IDRM mAmps | IGT | | | | VGT Volts | Ih mAmps | VTM Volts | ITM Amps |
|----------|---------------|---------|---------------|---------------|-----|----|----|----|--------------|-------------|--------------|-------------|
| | | | | | Q1 | Q2 | Q3 | Q4 | | | | |

25.0 Amps ITrms (Cont'd)

| TO-218X/I Package (Note 1) | | | | | | | | | | | | |
|----------------------------|------|----------|-----|------|----|----|----|--|------|----|------|-------|
| Q2025J6 | 25.0 | TO218X/I | 200 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q4025J6 | 25.0 | TO218X/I | 400 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q5025J6 | 25.0 | TO218X/I | 500 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q6025J6 | 25.0 | TO218X/I | 600 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |

| TO-220AB Package | | | | | | | | | | | | |
|------------------|------|---------|-----|------|----|----|----|-----|------|-----|------|-------|
| BTB24200B | 25.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.80 | 35.00 |
| BTB24400B | 25.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.80 | 35.00 |
| BTB24600B | 25.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.80 | 35.00 |
| BTB24700B | 25.0 | TO220AB | 700 | .010 | 50 | 50 | 50 | 100 | 2.50 | 50 | 1.80 | 35.00 |
| MAC22310 | 25.0 | TO220AB | 800 | .010 | 50 | 50 | 50 | | 2.50 | 50 | 1.85 | 35.00 |
| MAC2234 | 25.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | | 2.50 | 50 | 1.85 | 35.00 |
| MAC2236 | 25.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | | 2.50 | 50 | 1.85 | 35.00 |
| MAC2238 | 25.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | | 2.50 | 50 | 1.85 | 35.00 |
| MAC223A10 | 25.0 | TO220AB | 800 | .010 | 50 | 50 | 50 | 75 | 2.50 | 50 | 1.85 | 35.00 |
| MAC223A4 | 25.0 | TO220AB | 200 | .010 | 50 | 50 | 50 | 75 | 2.50 | 50 | 1.85 | 35.00 |
| MAC223A6 | 25.0 | TO220AB | 400 | .010 | 50 | 50 | 50 | 75 | 2.50 | 50 | 1.85 | 35.00 |
| MAC223A8 | 25.0 | TO220AB | 600 | .010 | 50 | 50 | 50 | 75 | 2.50 | 50 | 1.85 | 35.00 |
| MAC301025 | 25.0 | TO220AB | 250 | .010 | 40 | | 40 | | 2.00 | 40 | 1.85 | 35.00 |
| MAC302025 | 25.0 | TO220AB | 400 | .010 | 40 | | 40 | | 2.00 | 40 | 1.85 | 35.00 |
| Q2025R6 | 25.0 | TO220AB | 200 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q4025R6 | 25.0 | TO220AB | 400 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q5025R6 | 25.0 | TO220AB | 500 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q6025R6 | 25.0 | TO220AB | 600 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| SC129B | 25.0 | TO220AB | 200 | .100 | 50 | 50 | 50 | | 2.50 | 75 | 1.60 | 25.00 |
| SC129D | 25.0 | TO220AB | 400 | .100 | 50 | 50 | 50 | | 2.50 | 75 | 1.60 | 25.00 |
| SC129E | 25.0 | TO220AB | 500 | .100 | 50 | 50 | 50 | | 2.50 | 75 | 1.60 | 25.00 |
| SC129M | 25.0 | TO220AB | 600 | .100 | 50 | 50 | 50 | | 2.50 | 75 | 1.60 | 25.00 |
| T225 | 25.0 | TO220AB | 200 | .100 | 80 | | 80 | | 2.50 | 75 | 1.60 | 25.00 |
| T2512BH | 25.0 | TO220AB | 200 | .100 | 50 | 50 | | 50 | 2.50 | 100 | 1.40 | 30.00 |
| T2512DH | 25.0 | TO220AB | 400 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.40 | 30.00 |
| T2512MH | 25.0 | TO220AB | 600 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.40 | 30.00 |
| T2512NH | 25.0 | TO220AB | 800 | .100 | 50 | 50 | 50 | 50 | 2.50 | 100 | 1.40 | 30.00 |
| T425 | 25.0 | TO220AB | 400 | .100 | 80 | | 80 | | 2.50 | 75 | 1.70 | 25.00 |
| T625 | 25.0 | TO220AB | 600 | .100 | 80 | | 80 | | 2.50 | 75 | 1.70 | 25.00 |

| TO-220AB/I Package (Note 1) | | | | | | | | | | | | |
|-----------------------------|------|-----------|-----|------|-----|-----|-----|----|------|----|------|-------|
| MAC22310FP | 25.0 | TO220AB/I | 800 | .010 | 50 | 50 | 50 | | 2.50 | 50 | 1.85 | 35.00 |
| MAC2234FP | 25.0 | TO220AB/I | 200 | .010 | 50 | 50 | 50 | | 2.50 | 50 | 1.85 | 35.00 |
| MAC2236FP | 25.0 | TO220AB/I | 400 | .010 | 50 | 50 | 50 | | 2.50 | 50 | 1.85 | 35.00 |
| MAC2238FP | 25.0 | TO220AB/I | 600 | .010 | 50 | 50 | 50 | | 2.50 | 50 | 1.85 | 35.00 |
| MAC223A10FP | 25.0 | TO220AB/I | 800 | .010 | 50 | 50 | 50 | 75 | 2.50 | 50 | 1.85 | 35.00 |
| MAC223A4FP | 25.0 | TO220AB/I | 200 | .010 | 50 | 50 | 50 | 75 | 2.50 | 50 | 1.85 | 35.00 |
| MAC223A6FP | 25.0 | TO220AB/I | 400 | .010 | 50 | 50 | 50 | 75 | 2.50 | 50 | 1.85 | 35.00 |
| MAC223A8FP | 25.0 | TO220AB/I | 600 | .010 | 50 | 50 | 50 | 75 | 2.50 | 50 | 1.85 | 35.00 |
| Q2025L5 | 25.0 | TO220AB/I | 200 | .100 | 50 | 50 | 50 | | 2.50 | 80 | 1.80 | 25.00 |
| Q2025L6 | 25.0 | TO220AB/I | 200 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q4025L5 | 25.0 | TO220AB/I | 400 | .100 | 50 | 50 | 50 | | 2.50 | 80 | 1.80 | 25.00 |
| Q4025L6 | 25.0 | TO220AB/I | 400 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.60 | 25.00 |
| Q5025L5 | 25.0 | TO220AB/I | 500 | .100 | 50 | 50 | 50 | | 2.50 | 80 | 1.80 | 25.00 |
| Q6025L5 | 25.0 | TO220AB/I | 600 | .100 | 50 | 50 | 50 | | 2.50 | 80 | 1.80 | 25.00 |
| Q6025L6 | 25.0 | TO220AB/I | 600 | .100 | 80 | 80 | 80 | | 2.50 | 80 | 1.80 | 25.00 |
| Q2025L9ALT | 25.0 | TO220AB/I | 200 | .050 | 125 | 125 | 125 | | 2.50 | 80 | 1.80 | 25.00 |
| Q4025L9ALT | 25.0 | TO220AB/I | 400 | .050 | 125 | 125 | 125 | | 2.50 | 80 | 1.80 | 25.00 |
| Q6025L9ALT | 25.0 | TO220AB/I | 600 | .050 | 125 | 125 | 125 | | 2.50 | 80 | 1.80 | 25.00 |
| T225I | 25.0 | TO220AB/I | 200 | .100 | 80 | | 80 | | 2.50 | 75 | 1.70 | 25.00 |
| T425I | 25.0 | TO220AB/I | 400 | .100 | 80 | | 80 | | 2.50 | 75 | 1.70 | 25.00 |
| T625I | 25.0 | TO220AB/I | 600 | .100 | 80 | | 80 | | 2.50 | 75 | 1.70 | 25.00 |

| TO-48 Package | | | | | | | | | | | | |
|---------------|------|------|-----|------|----|----|----|-----|------|----|------|-------|
| T6411B | 25.0 | TO48 | 200 | .050 | 80 | 80 | 80 | 150 | 2.50 | 75 | 2.50 | 100.0 |
| T6411D | 25.0 | TO48 | 400 | .050 | 80 | 80 | 80 | 150 | 2.50 | 75 | 2.50 | 100.0 |
| T6411M | 25.0 | TO48 | 600 | .050 | 80 | 80 | 80 | 150 | 2.50 | 75 | 2.50 | 100.0 |

| TO-48/F Package | | | | | | | | | | | | |
|-----------------|------|--------|-----|------|-----|-----|-----|-----|------|-----|------|-------|
| SC260B1 | 25.0 | TO48/F | 200 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.58 | 35.00 |
| SC260D1 | 25.0 | TO48/F | 400 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.58 | 35.00 |
| SC260E1 | 25.0 | TO48/F | 500 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.58 | 35.00 |
| SC260M1 | 25.0 | TO48/F | 600 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.58 | 35.00 |
| TRAL1125D | 25.0 | TO48/F | 200 | .100 | 100 | 100 | 100 | 150 | 2.50 | 100 | 2.00 | 35.00 |
| TRAL2225D | 25.0 | TO48/F | 400 | .100 | 100 | 100 | 100 | 150 | 2.50 | 100 | 2.00 | 35.00 |
| TRAL3325D | 25.0 | TO48/F | 600 | .100 | 100 | 100 | 100 | 150 | 2.50 | 100 | 2.00 | 35.00 |
| TRAL3825D | 25.0 | TO48/F | 800 | .100 | 100 | 100 | 100 | 150 | 2.50 | 100 | 2.00 | 35.00 |

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| PART No. | ITrms Amps | PACKAGE | VDRM Volts | IDRM mAmps | Q1 Q2 Q3 Q4 | | | | VGT Volts | Ih mAmps | VTM Volts | ITM Amps |
|----------|---------------|---------|---------------|---------------|-------------|--|--|--|--------------|-------------|--------------|-------------|
| | | | | | | | | | | | | |

30.0 Amps ITrms

T-25-01

| SC66PFIS Package (Note 1) | | VDRM | IDRM | Q1 | Q2 | Q3 | Q4 | VGT | Ih | VTM | ITM |
|---------------------------|-------|-------|-------|----|----|----|-----|-------|-------|-------|-------|
| Part No. | ITrms | Volts | mAmps | | | | | Volts | mAmps | Volts | Amps |
| 2N6163 | 30.0 | 200 | .010 | 60 | 70 | 70 | 100 | 2.10 | 80 | 2.00 | 42.00 |
| 2N6164 | 30.0 | 400 | .010 | 60 | 70 | 70 | 100 | 2.10 | 80 | 2.00 | 42.00 |
| 2N6165 | 30.0 | 600 | .010 | 60 | 70 | 70 | 100 | 2.10 | 80 | 2.00 | 42.00 |

| TO-203 Package | | VDRM | IDRM | Q1 | Q2 | Q3 | Q4 | VGT | Ih | VTM | ITM |
|----------------|-------|-------|-------|----|----|----|-----|-------|-------|-------|-------|
| Part No. | ITrms | Volts | mAmps | | | | | Volts | mAmps | Volts | Amps |
| 2N6157 | 30.0 | 200 | .010 | 60 | 70 | 70 | 100 | 2.50 | 80 | 2.00 | 42.00 |
| 2N6158 | 30.0 | 400 | .010 | 60 | 70 | 70 | 100 | 2.10 | 80 | 2.00 | 42.00 |
| 2N6159 | 30.0 | 600 | .010 | 60 | 70 | 70 | 100 | 2.10 | 80 | 2.00 | 42.00 |
| T6410B | 30.0 | 200 | .100 | 50 | 80 | 50 | 80 | 2.50 | 60 | 2.50 | 100.0 |
| T6410D | 30.0 | 400 | .100 | 50 | 80 | 50 | 80 | 2.50 | 60 | 2.50 | 100.0 |
| T6410M | 30.0 | 600 | .100 | 50 | 80 | 50 | 80 | 2.50 | 60 | 2.50 | 100.0 |

| TO-203/F Package | | VDRM | IDRM | Q1 | Q2 | Q3 | Q4 | VGT | Ih | VTM | ITM |
|------------------|-------|-------|-------|----|----|----|----|-------|-------|-------|-------|
| Part No. | ITrms | Volts | mAmps | | | | | Volts | mAmps | Volts | Amps |
| T6401B | 30.0 | 200 | .100 | 50 | 80 | 50 | 80 | 2.50 | 100 | 2.50 | 100.0 |
| T6401D | 30.0 | 400 | .100 | 50 | 80 | 50 | 80 | 2.50 | 100 | 2.50 | 100.0 |
| T6401M | 30.0 | 600 | .100 | 50 | 80 | 50 | 80 | 2.50 | 60 | 2.50 | 100.0 |

| TO-48/F Package | | VDRM | IDRM | Q1 | Q2 | Q3 | Q4 | VGT | Ih | VTM | ITM |
|-----------------|-------|-------|-------|----|----|----|-----|-------|-------|-------|-------|
| Part No. | ITrms | Volts | mAmps | | | | | Volts | mAmps | Volts | Amps |
| 2N6160 | 30.0 | 200 | .010 | 60 | 70 | 70 | 100 | 2.10 | 80 | 2.00 | 42.00 |
| 2N6161 | 30.0 | 400 | .010 | 60 | 70 | 70 | 100 | 2.10 | 80 | 2.00 | 42.00 |
| 2N6162 | 30.0 | 600 | .010 | 60 | 70 | 70 | 100 | 2.10 | 80 | 2.00 | 42.00 |
| T6411B | 30.0 | 200 | .010 | 50 | 80 | 50 | 80 | 2.50 | 60 | 2.50 | 100.0 |
| T6411D | 30.0 | 400 | .010 | 50 | 80 | 50 | 80 | 2.50 | 60 | 2.50 | 100.0 |
| T6411M | 30.0 | 600 | .010 | 50 | 80 | 50 | 80 | 2.50 | 60 | 2.50 | 100.0 |

35.0 Amps ITrms

| TO-48/F Package | | VDRM | IDRM | Q1 | Q2 | Q3 | Q4 | VGT | Ih | VTM | ITM |
|-----------------|-------|-------|-------|-----|-----|-----|-----|-------|-------|-------|-------|
| Part No. | ITrms | Volts | mAmps | | | | | Volts | mAmps | Volts | Amps |
| TRAL1135D | 35.0 | 200 | .100 | 100 | 150 | 100 | 150 | 2.50 | 100 | 2.00 | 53.00 |
| TRAL2235D | 35.0 | 400 | .100 | 100 | 150 | 100 | 150 | 2.50 | 100 | 2.00 | 53.00 |
| TRAL3335D | 35.0 | 600 | .100 | 100 | 150 | 100 | 150 | 2.50 | 100 | 2.00 | 53.00 |
| TRAL3835D | 35.0 | 800 | .100 | 100 | 150 | 100 | 150 | 2.50 | 100 | 2.00 | 53.00 |

40.0 Amps ITrms

| 3/4" PFI Package (note 1) | | VDRM | IDRM | Q1 | Q2 | Q3 | Q4 | VGT | Ih | VTM | ITM |
|---------------------------|-------|-------|-------|-----|-----|-----|----|-------|-------|-------|-------|
| Part No. | ITrms | Volts | mAmps | | | | | Volts | mAmps | Volts | Amps |
| Q2040 | 40.0 | 200 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q4040 | 40.0 | 400 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q6040 | 40.0 | 600 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |

| 3/4" PFSI Package (Note 1) | | VDRM | IDRM | Q1 | Q2 | Q3 | Q4 | VGT | Ih | VTM | ITM |
|----------------------------|-------|-------|-------|-----|-----|-----|----|-------|-------|-------|-------|
| Part No. | ITrms | Volts | mAmps | | | | | Volts | mAmps | Volts | Amps |
| Q2040D | 40.0 | 200 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q4040D | 40.0 | 400 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q6040D | 40.0 | 600 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |

| 3/4" PFI/TO3 Package (Note 1) | | VDRM | IDRM | Q1 | Q2 | Q3 | Q4 | VGT | Ih | VTM | ITM |
|-------------------------------|-------|-------|-------|-----|-----|-----|----|-------|-------|-------|-------|
| Part No. | ITrms | Volts | mAmps | | | | | Volts | mAmps | Volts | Amps |
| Q2040C | 40.0 | 200 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q4040C | 40.0 | 400 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q6040C | 40.0 | 600 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |

| RD91IFP Package (Note 1) | | VDRM | IDRM | Q1 | Q2 | Q3 | Q4 | VGT | Ih | VTM | ITM |
|--------------------------|-------|-------|-------|----|----|----|-----|-------|-------|-------|-------|
| Part No. | ITrms | Volts | mAmps | | | | | Volts | mAmps | Volts | Amps |
| BTA40200B | 40.0 | 200 | 6.00 | 50 | 50 | 50 | 100 | 1.50 | 80 | 1.80 | 60.00 |
| BTA40400B | 40.0 | 400 | 6.00 | 50 | 50 | 50 | 100 | 1.50 | 80 | 1.80 | 60.00 |
| BTA40600B | 40.0 | 600 | 6.00 | 50 | 50 | 50 | 100 | 1.50 | 80 | 1.80 | 60.00 |
| BTA40800B | 40.0 | 800 | 6.00 | 50 | 50 | 50 | 100 | 1.50 | 80 | 1.80 | 60.00 |

| RD101IFP Package (Note 1) | | VDRM | IDRM | Q1 | Q2 | Q3 | Q4 | VGT | Ih | VTM | ITM |
|---------------------------|-------|-------|-------|-----|-----|-----|----|-------|-------|-------|-------|
| Part No. | ITrms | Volts | mAmps | | | | | Volts | mAmps | Volts | Amps |
| Q2040P | 40.0 | 200 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q4040P | 40.0 | 400 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q5040P | 40.0 | 500 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q6040P | 40.0 | 600 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |

| SC66PFIS Package (Note 1) | | VDRM | IDRM | Q1 | Q2 | Q3 | Q4 | VGT | Ih | VTM | ITM |
|---------------------------|-------|-------|-------|----|----|----|----|-------|-------|-------|-------|
| Part No. | ITrms | Volts | mAmps | | | | | Volts | mAmps | Volts | Amps |
| MAC3020401 | 40.0 | 400 | .010 | 40 | | 40 | | 2.00 | 40 | 1.85 | 56.00 |
| SC265B2 | 40.0 | 200 | .200 | 80 | 80 | 80 | | 2.50 | 75 | 1.38 | 56.00 |
| SC265D2 | 40.0 | 400 | .200 | 80 | 80 | 80 | | 2.50 | 75 | 1.38 | 56.00 |
| SC265E2 | 40.0 | 500 | .200 | 80 | 80 | 80 | | 2.50 | 75 | 1.38 | 56.00 |
| SC265M2 | 40.0 | 600 | .200 | 80 | 80 | 80 | | 2.50 | 75 | 1.38 | 56.00 |
| T6420B | 40.0 | 200 | .100 | 50 | 80 | 50 | 80 | 2.50 | 60 | 2.00 | 100.0 |
| T6420D | 40.0 | 400 | .100 | 50 | 80 | 50 | 80 | 2.50 | 60 | 2.00 | 100.0 |
| T6420M | 40.0 | 600 | .100 | 50 | 80 | 50 | 80 | 2.50 | 60 | 2.00 | 100.0 |

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| PART No. | ITrms Amps | PACKAGE | VDRM Volts | IDRM mAmps | IGT | | | | VGT Volts | Ih mAmps | VTM Volts | ITM Amps |
|----------|---------------|---------|---------------|---------------|-----|----|----|----|--------------|-------------|--------------|-------------|
| | | | | | Q1 | Q2 | Q3 | Q4 | | | | |

40.0 Amps ITrms (Cont'd)

T-25-01

| SC66PF1/TO3 (NOTE 1) | | | | | | | | | | | | |
|----------------------|------|----------|-----|------|----|----|----|--|------|----|------|-------|
| SC265B4 | 40.0 | SC66/TO3 | 200 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.38 | 56.00 |
| SC265D4 | 40.0 | SC66/TO3 | 400 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.38 | 56.00 |
| SC265M4 | 40.0 | SC66/TO3 | 600 | .200 | 50 | 50 | 50 | | 2.50 | 75 | 1.38 | 56.00 |

| TO-203/F Package | | | | | | | | | | | | |
|------------------|------|---------|-----|------|----|----|----|----|------|----|------|-------|
| 2N5441 | 40.0 | TO203/F | 200 | .100 | 50 | 80 | 50 | 80 | 2.50 | 60 | 2.00 | 56.00 |
| 2N5442 | 40.0 | TO203/F | 400 | .100 | 50 | 80 | 50 | 80 | 2.50 | 60 | 2.00 | 100.0 |
| 2N5443 | 40.0 | TO203/F | 600 | .100 | 50 | 80 | 50 | 80 | 2.50 | 60 | 2.00 | 100.0 |
| SC266B | 40.0 | TO203/F | 200 | .200 | 80 | 80 | 80 | | 2.50 | 75 | 1.38 | 56.00 |
| SC266D | 40.0 | TO203/F | 400 | .200 | 80 | 80 | 80 | | 2.50 | 75 | 1.38 | 56.00 |
| SC266M | 40.0 | TO203/F | 600 | .200 | 80 | 80 | 80 | | 2.50 | 75 | 1.38 | 56.00 |

| TO-218AC/I Package (Note 1) | | | | | | | | | | | | |
|-----------------------------|------|-----------|-----|------|-----|-----|-----|-----|------|-----|------|-------|
| BT41200A | 40.0 | TO218AC/I | 200 | .050 | 100 | 100 | 100 | 150 | 2.50 | 100 | 1.80 | 60.00 |
| BT41200B | 40.0 | TO218AC/I | 200 | .050 | 50 | 50 | 50 | 100 | 2.50 | 80 | 1.80 | 60.00 |
| BT41400A | 40.0 | TO218AC/I | 400 | .050 | 100 | 100 | 100 | 150 | 2.50 | 100 | 1.80 | 60.00 |
| BT41400B | 40.0 | TO218AC/I | 400 | .050 | 50 | 50 | 50 | 100 | 2.50 | 80 | 1.80 | 60.00 |
| BT41600A | 40.0 | TO218AC/I | 600 | .050 | 100 | 100 | 100 | 150 | 2.50 | 100 | 1.80 | 60.00 |
| BT41600B | 40.0 | TO218AC/I | 600 | .050 | 50 | 50 | 50 | 100 | 2.50 | 80 | 1.80 | 60.00 |
| BT41700A | 40.0 | TO218AC/I | 700 | .050 | 100 | 100 | 100 | 150 | 2.50 | 100 | 1.80 | 60.00 |
| BT41700B | 40.0 | TO218AC/I | 700 | .100 | 50 | 50 | 50 | 100 | 2.50 | 80 | 1.80 | 60.00 |
| Q2040K7 | 40.0 | TO218AC/I | 200 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q2040K9ALT | 40.0 | TO218AC/I | 200 | .200 | 125 | 125 | 125 | | 2.50 | 100 | 1.80 | 40.00 |
| Q4040K7 | 40.0 | TO218AC/I | 400 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q4040K9ALT | 40.0 | TO218AC/I | 400 | .200 | 125 | 125 | 125 | | 2.50 | 100 | 1.80 | 40.00 |
| Q6040K7 | 40.0 | TO218AC/I | 600 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q6040K9ALT | 40.0 | TO218AC/I | 600 | .200 | 125 | 125 | 125 | | 2.50 | 100 | 1.80 | 40.00 |
| TPDV240ALT | 40.0 | TO218AC/I | 200 | .050 | 200 | 200 | 200 | | 2.50 | 50 | 1.80 | 60.00 |
| TPDV440ALT | 40.0 | TO218AC/I | 400 | .050 | 200 | 200 | 200 | | 2.50 | 50 | 1.80 | 60.00 |
| TPDV640ALT | 40.0 | TO218AC/I | 600 | .050 | 200 | 200 | 200 | | 2.50 | 50 | 1.80 | 60.00 |
| TPDV840ALT | 40.0 | TO218AC/I | 600 | .050 | 200 | 200 | 200 | | 2.50 | 50 | 1.80 | 60.00 |

| TO-218X Package | | | | | | | | | | | | |
|-----------------|------|--------|-----|------|-----|-----|-----|--|------|-----|------|-------|
| Q2040W9ALT | 40.0 | TO218X | 200 | .200 | 125 | 125 | 125 | | 2.50 | 100 | 1.80 | 40.00 |
| Q4040W9ALT | 40.0 | TO218X | 400 | .200 | 125 | 125 | 125 | | 2.50 | 100 | 1.80 | 40.00 |
| Q5040W9ALT | 40.0 | TO218X | 500 | .200 | 125 | 125 | 125 | | 2.50 | 100 | 1.80 | 40.00 |
| Q6040W9ALT | 40.0 | TO218X | 600 | .200 | 125 | 125 | 125 | | 2.50 | 100 | 1.80 | 40.00 |

| TO-218X/I Package (Note 1) | | | | | | | | | | | | |
|----------------------------|------|----------|-----|------|-----|-----|-----|--|------|-----|------|-------|
| Q2040J7 | 40.0 | TO218X/I | 200 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q2040J9ALT | 40.0 | TO218X/I | 200 | .200 | 125 | 125 | 125 | | 2.50 | 100 | 1.80 | 40.00 |
| Q4040J7 | 40.0 | TO218X/I | 400 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q4040J9ALT | 40.0 | TO218X/I | 400 | .200 | 125 | 125 | 125 | | 2.50 | 100 | 1.80 | 40.00 |
| Q6040J7 | 40.0 | TO218X/I | 600 | .200 | 100 | 100 | 100 | | 2.50 | 100 | 1.80 | 40.00 |
| Q5040J9ALT | 40.0 | TO218X/I | 500 | .200 | 125 | 125 | 125 | | 2.50 | 100 | 1.80 | 40.00 |
| Q6040J9ALT | 40.0 | TO218X/I | 600 | .200 | 125 | 125 | 125 | | 2.50 | 100 | 1.80 | 40.00 |

| TO-48/F Package | | | | | | | | | | | | |
|-----------------|------|--------|-----|------|----|----|----|-----|------|----|------|-------|
| 2N5444 | 40.0 | TO48/F | 200 | .010 | 70 | 70 | 70 | 100 | 2.00 | 70 | 1.85 | 56.00 |
| 2N5445 | 40.0 | TO48/F | 400 | .010 | 70 | 70 | 70 | 100 | 2.00 | 70 | 1.85 | 56.00 |
| 2N5446 | 40.0 | TO48/F | 600 | .010 | 70 | 70 | 70 | 100 | 2.00 | 70 | 1.85 | 56.00 |
| SC265B1 | 40.0 | TO48/F | 200 | .200 | 80 | 80 | 80 | | 2.50 | 75 | 1.38 | 56.00 |
| SC265D1 | 40.0 | TO48/F | 400 | .200 | 80 | 80 | 80 | | 2.50 | 75 | 1.38 | 56.00 |
| SC265E1 | 40.0 | TO48/F | 500 | .200 | 80 | 80 | 80 | | 2.50 | 75 | 1.38 | 56.00 |
| SC265M1 | 40.0 | TO48/F | 600 | .200 | 80 | 80 | 80 | | 2.50 | 75 | 1.38 | 56.00 |

45.0 Amps ITrms

| TO-218AC Package | | | | | | | | | | | | |
|------------------|------|---------|-----|------|-----|-----|-----|-----|------|-----|------|-------|
| BTB41200A | 45.0 | TO218AC | 200 | .050 | 100 | 100 | 100 | 150 | 2.50 | 100 | 1.80 | 60.00 |
| BTB41200B | 45.0 | TO218AC | 200 | .050 | 50 | 50 | 50 | 100 | 2.50 | 80 | 1.80 | 60.00 |
| BTB41400A | 45.0 | TO218AC | 400 | .050 | 100 | 100 | 100 | 150 | 2.50 | 100 | 1.80 | 60.00 |
| BTB41400B | 45.0 | TO218AC | 400 | .050 | 50 | 50 | 50 | 100 | 2.50 | 80 | 1.80 | 60.00 |
| BTB41600A | 45.0 | TO218AC | 600 | .050 | 100 | 100 | 100 | 150 | 2.50 | 100 | 1.80 | 60.00 |
| BTB41600B | 45.0 | TO218AC | 600 | .050 | 50 | 50 | 50 | 100 | 2.50 | 80 | 1.80 | 60.00 |
| BTB41700A | 45.0 | TO218AC | 700 | .050 | 100 | 100 | 100 | 150 | 2.50 | 100 | 1.80 | 60.00 |
| BTB41700B | 45.0 | TO218AC | 700 | .100 | 50 | 50 | 50 | 100 | 2.50 | 80 | 1.80 | 60.00 |