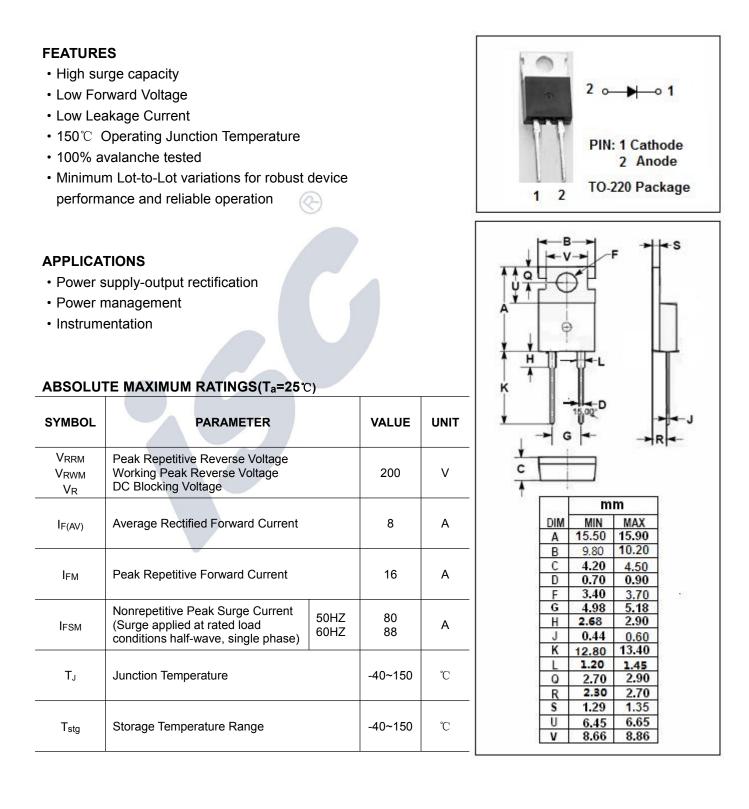


BYW29E





INCHANGE SEMICONDUCTOR

Ultra fast Rectifier

BYW29E

THERMAL CHARACTERISTICS

| SYMBOL | PARAMETER | МАХ | UNIT |
|---------------------|---|-----|------|
| R _{th j-c} | Thermal Resistance, Junction to Case | 2.7 | °C/W |
| R _{th j-a} | Thermal Resistance, Junction to Ambient | 60 | °C/W |

ELECTRICAL CHARACTERISTICS(Ta=25℃) (Pulse Test: Pulse Width=300 µ s,Duty Cycle≤2%)

| SYMBOL | PARAMETER | CONDITIONS | МАХ | UNIT |
|-----------------|---------------------------------------|--|----------------------|------|
| VF | Maximum Instantaneous Forward Voltage | IF= 8A ;Tj=150 ℃ IF= 8A ;Tj=25 ℃ IF= 20A ;Tj=25 ℃ | 0.895 1.05 1.3 | V |
| I _R | Maximum Instantaneous Reverse Current | V _R = V _{RWM} ;Tj=100°C V _R = V _{RWM} | 600 10 | μA |
| t _{rr} | Maximum Reverse Recovery Time | IF =1A;V _R ≥30V;di/dt = 100A/µs | 25 | ns |

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