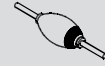


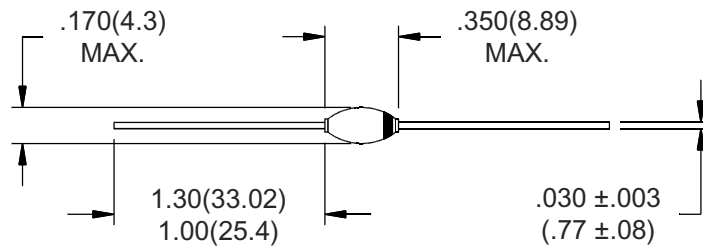
Spice Model



X25SG



| Part Number | Working Reverse Voltage (V _{rwm}) | Average Rectified Current (I _o) | | Reverse Current @ V _{rwm} (I _r) | | Forward Voltage (V _f) | | 1 Cycle Surge Current t _p =8.3ms (I _{fsm}) | Repetitive Surge Current (I _{frm}) | Reverse Recovery Time (3) (T _{rr}) | Thermal Impedance J-L | | | Junction Cap. @50VDC @ 1kHz (C _j) |
|-------------|--|--|----------|---|-------|--------------------------------------|-----|---|---|---|--------------------------|--------|--------|--|
| | | 55°C(1) | 100°C(2) | 25°C | 100°C | 25°C | | 25°C | 25°C | 25°C | 25°C | L=.000 | L=.125 | L=.250 |
| | Volts | mAmps | mAmps | µA | µA | Volts | mA | Amps | Amps | ns | °C/W | °C/W | °C/W | pF |
| X25SG | 2500 | 250 | 125 | 1.0 | 20 | 6.0 | 100 | 15 | 3.0 | 3000 | 5 | 12 | 21.5 | 4 |



| | | | |
|------------|--------------------------------|----------|-------|
| IS | Reverse leakage current | 2.50E-07 | Amps |
| N | Emission coefficient | 9.0 | |
| T | Temperature | 25 | C |
| RS | Diode series resistance | 0.33 | Ohm |
| TT | Transit time | 3000 | nS |
| CJ0 | Zero-bias junction capacitance | 6.50 | pF |
| VJ | Bulk junction potential | 4.25 | Volts |
| M | Grading coefficient | 0.5 | |
| EG | Energy-band gap | 1.11 | Volts |
| XTI | Temperature coefficient | 3 | |
| KF | Flicker-noise coefficient | 0 | |
| AF | Flicker-noise exponent | 1 | |
| FC | Coefficient for capacitance | 0.5 | |
| BV | Diode breakdown voltage | 3600 | Volts |
| IBV | Diode breakdown current | 100 | uAmps |



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