

FEATURES

- Glass passivated junction
- High current diverting capability (150A, 8x20µs)
- Low capacitance, less than 100pF
- UL recognized
- Automatic reset
- Does not degrade

APPLICATION

- Bi-directional device for telephone and line card protection

ELECTRICAL CHARACTERISTICS (Tamb = +25°C)

| SYMBOL | PARAMETER |
|-----------------|----------------------------|
| V _{RM} | Stand-off Voltage |
| V _{BR} | Breakdown Voltage |
| I _H | Holding Current |
| V _R | Continuous Reverse Voltage |

ABSOLUTE RATINGS (limiting values) (Tj = + 25°C) L = 10mm

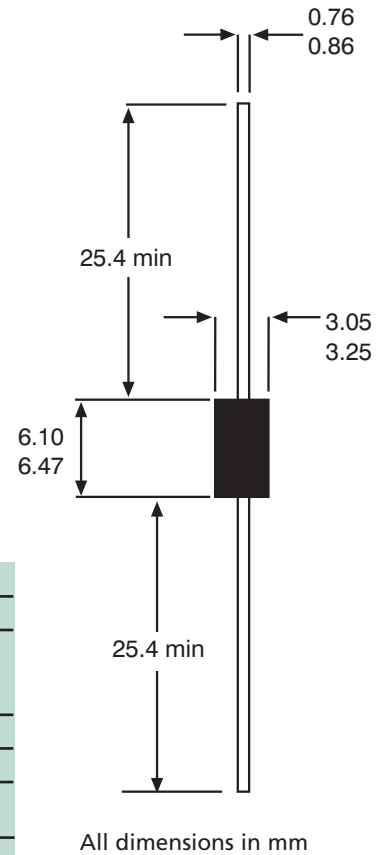
| SYMBOL | PARAMETER | VALUE | UNIT |
|------------------------------------|---|-------------------|----------|
| P | Power dissipation on infinite heatsink Tamb = 50°C | 1.7 | W |
| I _{pp} | Peak Pulse Current 10x1000µsec 10/700 1.5KV 8-20 us expo | 50 37.5 100 | A |
| I _{tsm} | Non-repetitive surge peak on-state current tp = 20 ms | 30 | A |
| di/dt | Critical rate of rise of on-state current Non repetitive | 100 | A/µs |
| T _{stg} T _j | Storage and operating junction Temperature range | -40 to 150 150 | °C °C |
| T _i | Maximum lead temperature for soldering during 10s at 4mm from case | 230 | °C |

THERMAL RESISTANCES

| SYMBOL | PARAMETER | VALUE | UNIT |
|----------------------|---|-------|------|
| R _{th(j-i)} | Junction-leads on infinite heatsink L = 10mm | 60 | °C/W |
| R _{th(j-a)} | Junction-ambient on printed circuit | 100 | °C/W |

All parameters are tested using Fet Test™ Model 3600

| DEVICE TYPE | I _{RM} @ V _{RM} max | | I _R @ V _R max | | V _{Bo} @ I _{Bo} max | | I _H min |
|-------------|---------------------------------------|-----|-------------------------------------|-----|---------------------------------------|-----|--------------------|
| | µA | V | µA | V | V | mA | |
| T10A062 | 2 | 56 | 50 | 62 | 82 | 800 | 150 |
| T10A068 | 2 | 61 | 50 | 68 | 90 | 800 | 150 |
| T10A100 | 2 | 90 | 50 | 100 | 133 | 800 | 150 |
| T10A120 | 2 | 108 | 50 | 120 | 160 | 800 | 150 |
| T10A130 | 2 | 117 | 50 | 130 | 173 | 800 | 150 |
| T10A180 | 2 | 162 | 50 | 180 | 240 | 800 | 150 |
| T10A200 | 2 | 180 | 50 | 200 | 267 | 800 | 150 |
| T10A220 | 2 | 198 | 50 | 220 | 293 | 800 | 150 |
| T10A240 | 2 | 216 | 50 | 240 | 320 | 800 | 150 |
| T10A270 | 2 | 243 | 50 | 270 | 370 | 800 | 150 |



ORDERING INFORMATION

T10A

Voltage

Holding

Current Option

Packaging Option

B = Bulk (500 pcs)

T = Tape and reeled (1500 pcs)