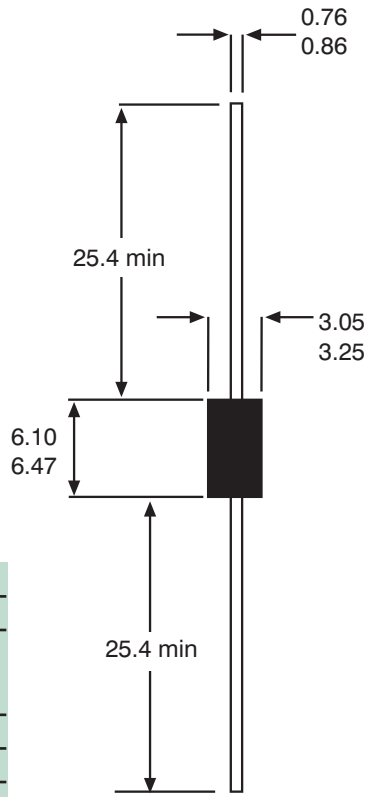
FEATURES

- 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



All dimensions in mm

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
Ipp	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/us
T stg Tj	Storage and operating junction Temperature range		-40 to 150 150	°C °C
T_l	Maximum lead temperature for soldering during 10s at 4mm from case		230	°C

THERMAL RESISTANCES

SYMBOL	PARAMETER		VALUE	UNIT
Rth(j-i) Rth(j-a)	Junction-leads on infinite heatsink Junction-ambient on printed circuit	L = 10mm	60 100	°C/W °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	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 Optio n

Packaging Option

B = Bulk (500 pcs)

T = Tape and reeled (1500 pcs)