

# T10A series Sibod™

## 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 <sub>RM</sub>	Stand-off Voltage
V <sub>BR</sub>	Breakdown Voltage
I <sub>H</sub>	Holding Current
V <sub>R</sub>	Continuous Reverse Voltage

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

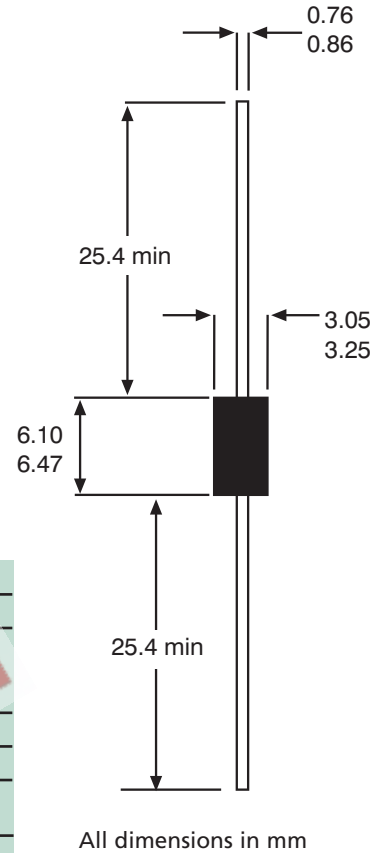
SYMBOL	PARAMETER	VALUE	UNIT
P	Power dissipation on infinite heatsink Tamb = 50°C	1.7	W
I <sub>pp</sub>	Peak Pulse Current 10x1000µsec 10/700 1.5KV 8-20 us expo	50 37.5 100	A
I <sub>tsm</sub>	Non-repetitive surge peak on-state current tp = 20 ms	30	A
di/dt	Critical rate of rise of on-state current Non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

## THERMAL RESISTANCES

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

All parameters are tested using Fet Test™ Model 3600

DEVICE TYPE	I <sub>RM</sub> @ V <sub>RM</sub> max		I <sub>R</sub> @ V <sub>R</sub> max		V <sub>Bo</sub> @ I <sub>Bo</sub> max		I <sub>H</sub> 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)