



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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FEATURES

- Glass passivated junction
- High current diverting capability 250A
- Low capacitance, less than 200pF
- UL recognized
- Automatic reset
- Does not degrade

APPLICATION

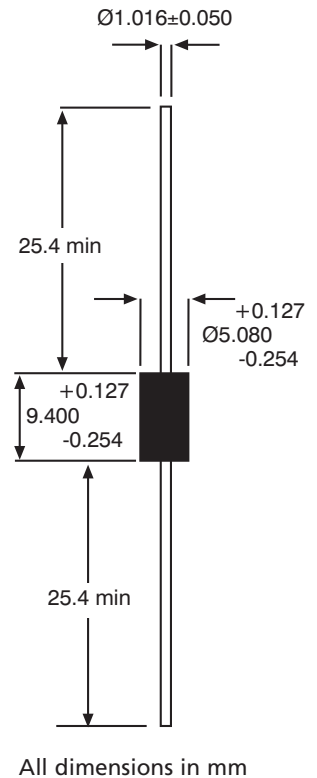
- Bi-directional device for telephone and line card protection

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	5	W
I _{pp}	Peak Pulse Current 10x1000µsec 10/700 1.5KV 8-20 us expo	100 125 250	A
I _{tsm}	Non-repetitive surge peak on-state current tp = 20 ms	50	A
di/dt	Critical rate of rise of on-state current Non repetitive	100	A/us
T _{stg} T _j	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
R _{th(j-i)}	Junction-leads on infinite heatsink L = 10mm	20	°C/W
R _{th(j-a)}	Junction-ambient on printed circuit	75	°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	C typ
	µA	V	µA	V	V	mA		
T10B035	2	32	50	35	55	800	150	180
T10B065	2	55	50	65	80	800	150	160
T10B120	2	110	50	120	160	800	150	140
T10B140	2	120	50	140	200	800	150	140
T10B200	2	170	50	200	265	800	150	130
T10B230	2	200	50	230	300	800	150	120
T10B270	2	230	50	270	350	800	150	120

ORDERING INFORMATION

T10B

Voltage

Holding Current Option

Packaging Option

B = Bulk (500 pcs)
T = Tape and reeled (1500 pcs)