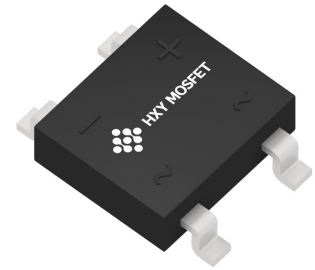




Features

- * Ideal for printed circuit board
- * Reliable low cost construction utilizing molded plastic technique
- * High surge current capability
- * Polarity: Symbol molded on body
- * Mounting position: Any

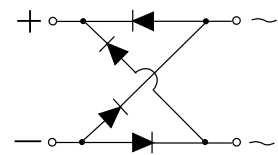


ABS

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
ABS10A-13	ABS	ABS*	5000

*:From 2-10



Internal Structure

Maximum Ratings (Ta=25°C unless otherwise noted)

Type Number	Symbol	ABS2	ABS4	ABS6	ABS8	ABS10	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	200	400	600	800	1000	V
Maximum Average Forward Rectified Current On glass-epoxy P.C.B. On aluminum substrate	$I_{(AV)}$	1.0					A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	30					A
Maximum Instantaneous Forward Voltage @ 0.4A	V_F	1.0					V
Maximum DC Reverse Current @ $T_A=25^\circ\text{C}$ at Rated DC Blocking Voltage @ $T_A=125^\circ\text{C}$	I_R	10 150					μA μA
Typical Thermal resistance Junction to Lead On aluminum substrate On Glass-Epoxy substrate	$R_{\theta JL}$ $R_{\theta JA}$	25 62.5 80					$^\circ\text{C/W}$
Operating Temperature Range	T_J	-55 to +150					$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to +150					$^\circ\text{C}$



Typical Characteristics

FIG.1- MAXIMUM FORWARD CURRENT DERATING CURVE

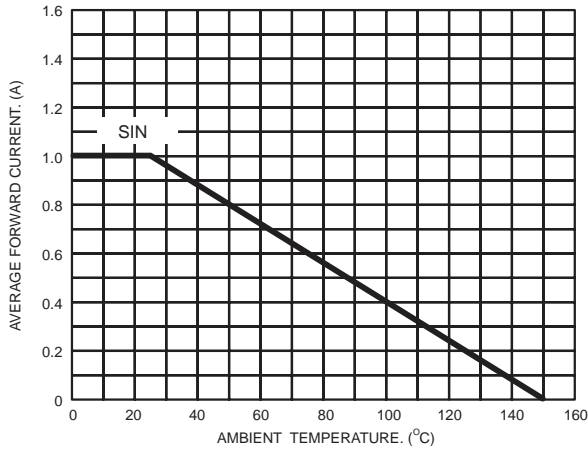


FIG.2- TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

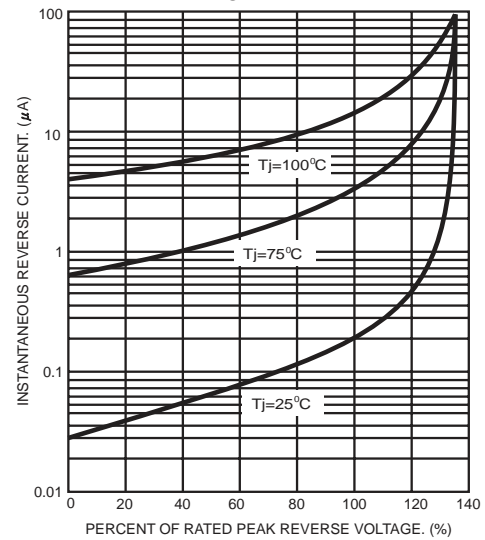


FIG.3- MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

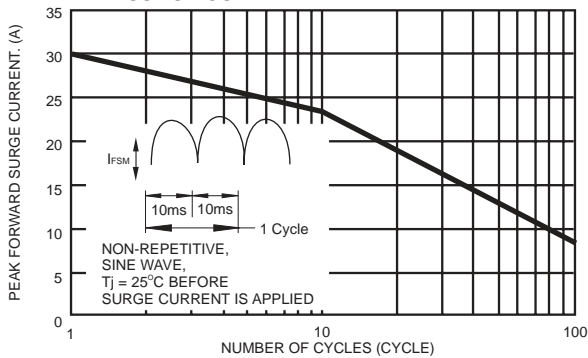


FIG.4- TYPICAL JUNCTION CAPACITANCE

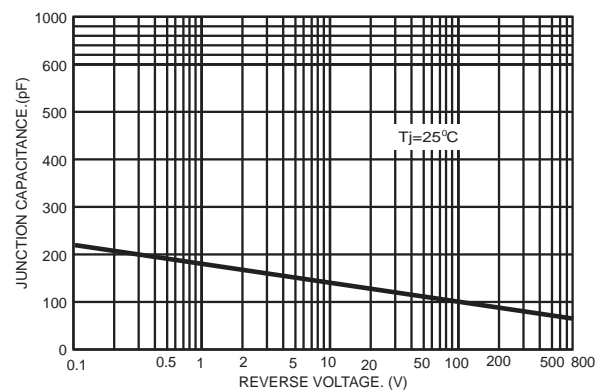
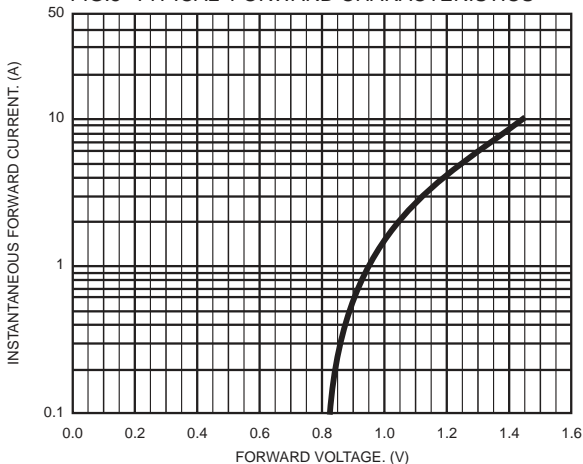
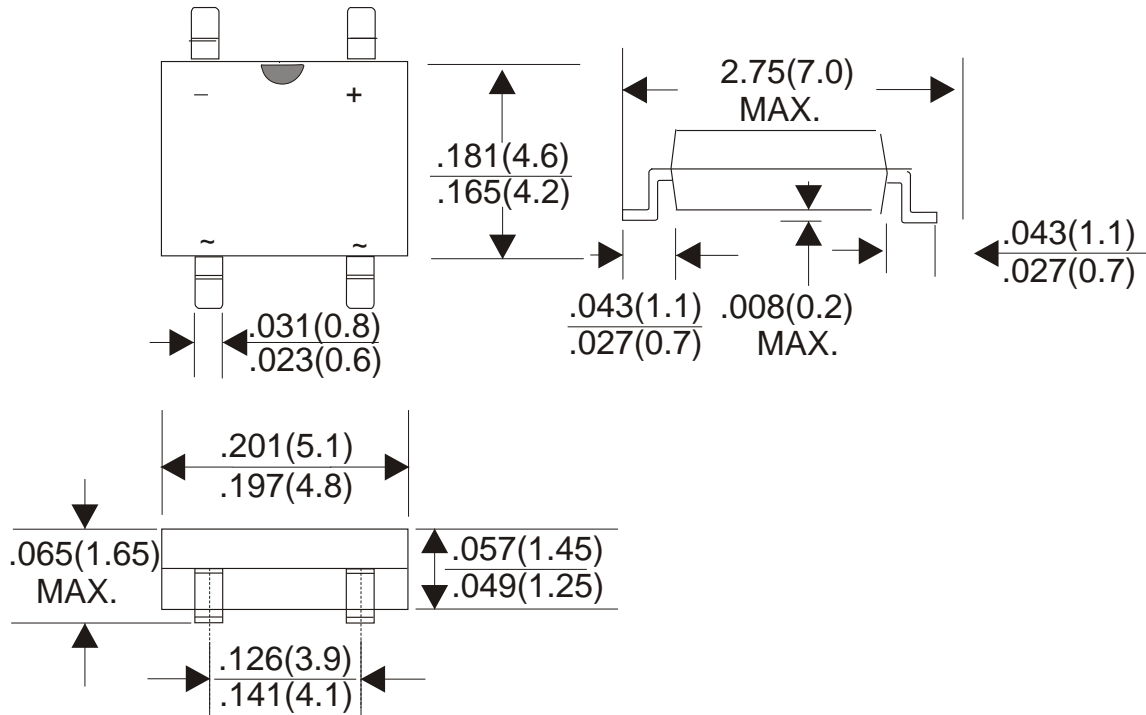


FIG.5- TYPICAL FORWARD CHARACTERISTICS





ABS Package Outline Dimensions



Dimensions in inches and (millimeters)



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