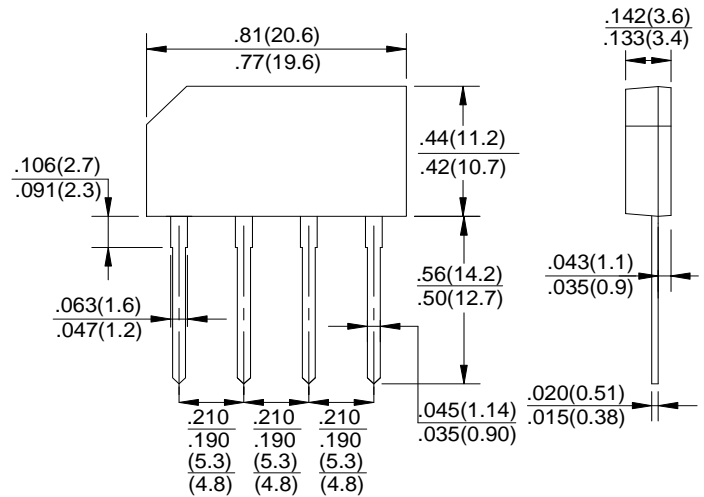




GBL

### FEATURES

- Rating to 1000V PRV
- Surge overload rating to 150 Amperes peak
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Lead solderable per MIL-STD-202 method 208
- Glass passivated junctions



### Maximum Ratings (@T<sub>A</sub> = 25°C unless otherwise specified)

Dimensions in inches and (millimeters)

Characteristic	Symbol	GBL005	GBL01	GBL02	GBL04	GBL06	GBL08	GBL10	UNITS
Maximum recurrent peak reverse voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum average forward Output current @T <sub>A</sub> =25°C	I <sub>F(AV)</sub>	4.0							A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I <sub>FSM</sub>	150.0							A
I <sup>2</sup> t Rating for fusing @T <sub>J</sub> =25°C	I <sup>2</sup> t	93							A <sup>2</sup> S

### Thermal Characteristics

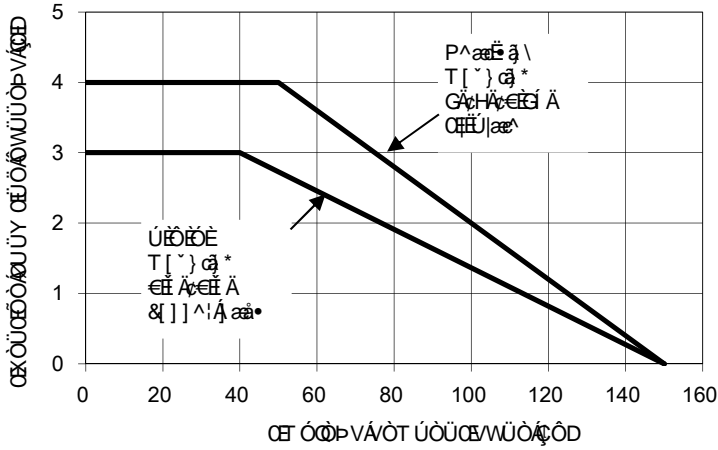
Characteristic	Symbol	GBL005	GBL01	GBL02	GBL04	GBL06	GBL08	GBL10	UNITS
Typical Thermal Resistance	R <sub>θJA</sub>	32							°C/W
	R <sub>θJL</sub>	8.0							
	R <sub>θJC</sub>	13							
Typical junction capacitance per element	C <sub>J</sub>	95				40			p F
Operating junction temperature range	T <sub>J</sub>	- 55 ---- + 150							°C
Storage temperature range	T <sub>STG</sub>	- 55 ---- + 150							°C

### Electrical Characteristics (@T<sub>A</sub> = 25°C unless otherwise specified)

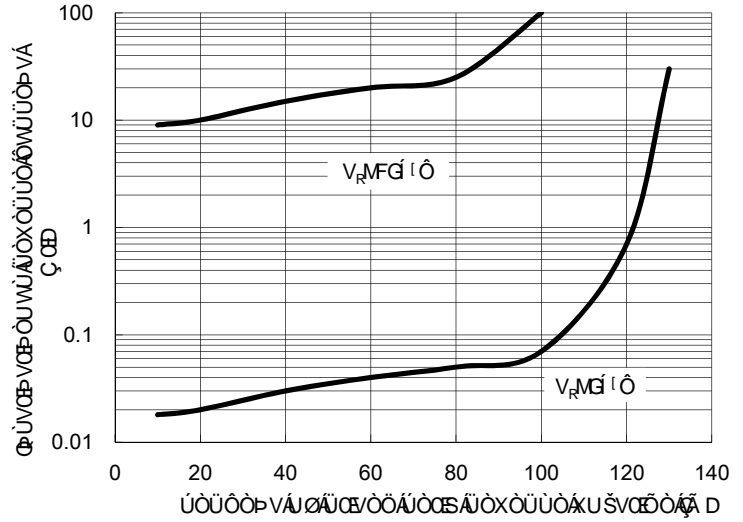
Characteristic	Symbol	GBL005	GBL01	GBL02	GBL04	GBL06	GBL08	GBL10	UNITS
Maximum instantaneous forward voltage @2.0A @4.0A	V <sub>F</sub>				1.0				V
					1.1				
Maximum reverse current @T <sub>A</sub> =25°C at rated DC blocking voltage @T <sub>A</sub> =100°C	I <sub>R</sub>				5.0				μ A
					500				



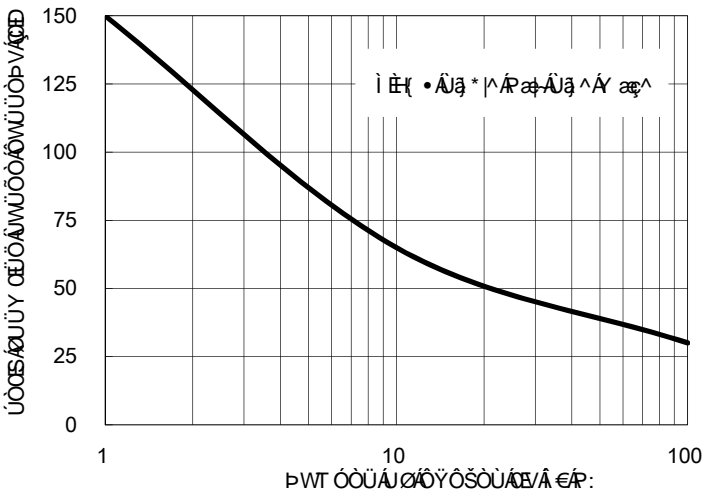
ΣΧΗΜΑ 1: ΑΝΤΙΣΤΗΝΣΗ ΘΕΡΜΟΤΗΤΑΣ ΚΑΙ ΔΕΙΞΗ ΔΕΙΞΗΣ



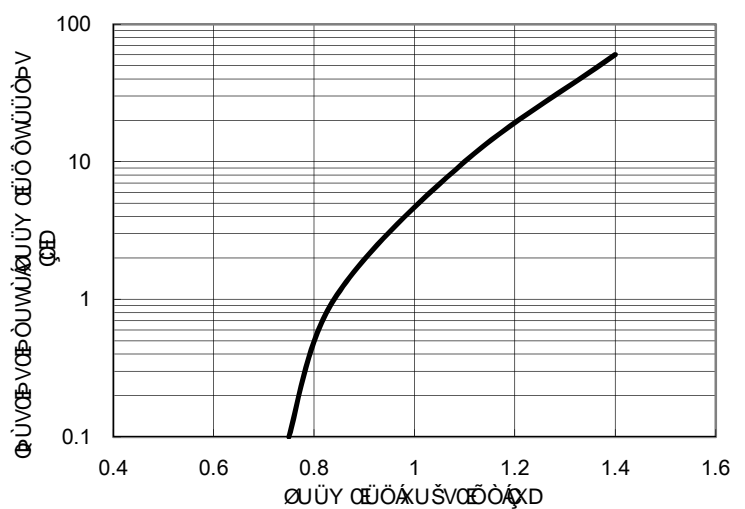
ΣΧΗΜΑ 2: ΑΝΤΙΣΤΗΝΣΗ ΘΕΡΜΟΤΗΤΑΣ ΚΑΙ ΔΕΙΞΗ ΔΕΙΞΗΣ



ΣΧΗΜΑ 3: ΑΝΤΙΣΤΗΝΣΗ ΘΕΡΜΟΤΗΤΑΣ ΚΑΙ ΔΕΙΞΗ ΔΕΙΞΗΣ



ΣΧΗΜΑ 4: ΑΝΤΙΣΤΗΝΣΗ ΘΕΡΜΟΤΗΤΑΣ ΚΑΙ ΔΕΙΞΗ ΔΕΙΞΗΣ



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