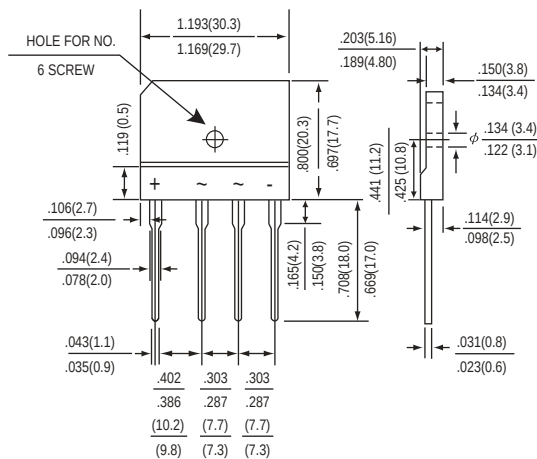
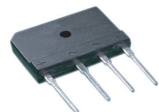


	GBJ25A THRU GBJ25M SINTERED GLASS PASSIVATED BRIDGE RECTIFIER																																																																																																																								
	Reverse Voltage - 50 to 1000 Volts	Forward Current - 25.0 Amperes																																																																																																																							
PATENTED GBJ  *Dimensions in inches and (millimeters) SuperBridge with GPRC inside 	 FEATURES * Internal Constructure with GPRC (Glass Passivated Rectifier Chip) inside * High Case Dielectric Strength of 1500VRMS * Low Reverse Leakage Current * High Surge Current Capability * Ideal for Printed Circuit Board Applications * Plastic Material-UL Recognition Flammability Classification 94V-0 MECHANICAL DATA Case : GBJ molded plastic Terminals : Plated Leads, solderable per MIL-STD-750, Method 2026 Polarity : Molded on body Mounting : Through Hole for # 6 screw Mounting torque : 5.0 in-lbs maximum Weight : 6.6 grams																																																																																																																								
	MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS																																																																																																																								
	<table><tr><th>Ratings at 25 °C ambient temperature unless otherwise specified.</th><th>SYMBOLS</th><th>GBJ25A</th><th>GBJ25B</th><th>GBJ25D</th><th>GBJ25G</th><th>GBJ25J</th><th>GBJ25K</th><th>GBJ25M</th><th>UNITS</th></tr><tr><td>Maximum repetitive peak reverse voltage</td><td>VRRM</td><td>50</td><td>100</td><td>200</td><td>400</td><td>600</td><td>800</td><td>1000</td><td>Volts</td></tr><tr><td>Maximum RMS voltage</td><td>VRMS</td><td>35</td><td>70</td><td>140</td><td>280</td><td>420</td><td>560</td><td>700</td><td>Volts</td></tr><tr><td>Maximum DC blocking voltage</td><td>VDC</td><td>50</td><td>100</td><td>200</td><td>400</td><td>600</td><td>800</td><td>1000</td><td>Volts</td></tr><tr><td>Maximum average forward (with heatsink Note 2) rectified current at Tc=100°C</td><td>I (AV)</td><td colspan="7">25</td><td>Amps</td></tr><tr><td>Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)</td><td>IFSM</td><td colspan="7">350</td><td>Amps</td></tr><tr><td>Maximum instantaneous forward voltage @ IF=12.5 A</td><td>VF</td><td colspan="7">1.05</td><td>Volts</td></tr><tr><td>Maximum DC reverse current @Tc=25°C at rated DC blocking voltage @Tc=125°C</td><td>IR</td><td colspan="7">10 500</td><td>uA</td></tr><tr><td>I²t rating for fusing (t < 8.3ms)</td><td>I²t</td><td colspan="7">510</td><td>A²s</td></tr><tr><td>Typical junction capacitance per element (NOTE 1)</td><td>CJ</td><td colspan="7">85</td><td>pF</td></tr><tr><td>Typical thermal resistance (NOTE 2)</td><td>R θJC</td><td colspan="7">0.6</td><td>K / W</td></tr><tr><td>Operating junction and storage temperature range</td><td>TJ,TSTG</td><td colspan="7">-55 to +175</td><td>°C</td></tr></table>		Ratings at 25 °C ambient temperature unless otherwise specified.	SYMBOLS	GBJ25A	GBJ25B	GBJ25D	GBJ25G	GBJ25J	GBJ25K	GBJ25M	UNITS	Maximum repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	Volts	Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	Volts	Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	Volts	Maximum average forward (with heatsink Note 2) rectified current at Tc=100°C	I (AV)	25							Amps	Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	350							Amps	Maximum instantaneous forward voltage @ IF=12.5 A	VF	1.05							Volts	Maximum DC reverse current @Tc=25°C at rated DC blocking voltage @Tc=125°C	IR	10 500							uA	I²t rating for fusing (t < 8.3ms)	I²t	510							A²s	Typical junction capacitance per element (NOTE 1)	CJ	85							pF	Typical thermal resistance (NOTE 2)	R θJC	0.6							K / W	Operating junction and storage temperature range	TJ,TSTG	-55 to +175						
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NOTES : (1) Measured at 1.0 MHz and applied reverse voltage of 4.0 V DC.
(2) Device mounted on 300 x 300 x 1.6mm Cu Plate Heatsink.

RATINGS AND CHARACTERISTIC CURVES GBJ25A THRU GBJ25M

FIG.1 - FORWARD CURRENT DERATING CURVE

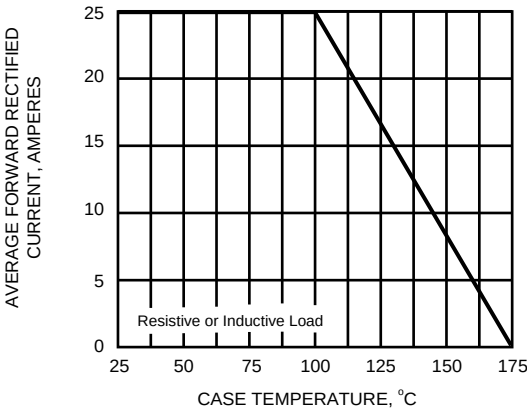


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

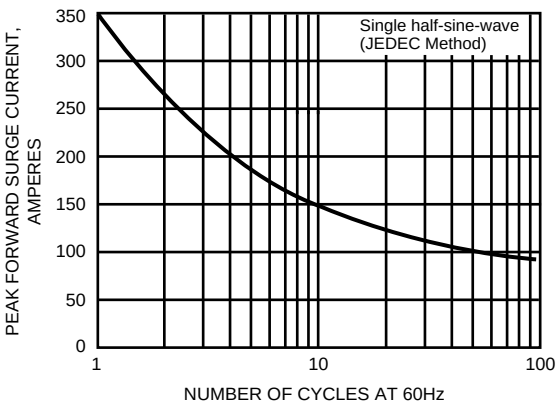


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

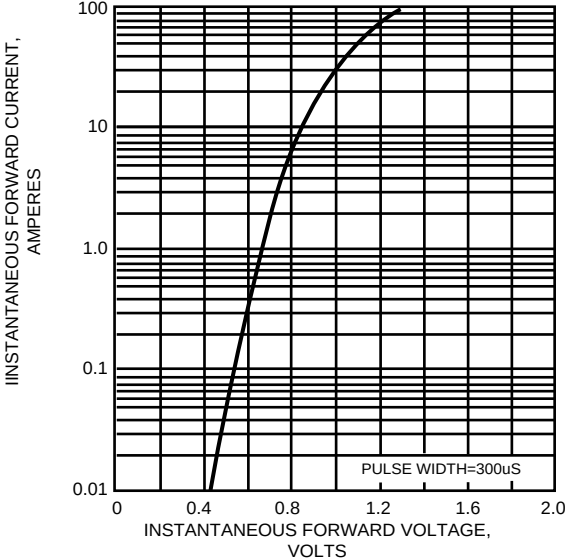


FIG.4 - TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

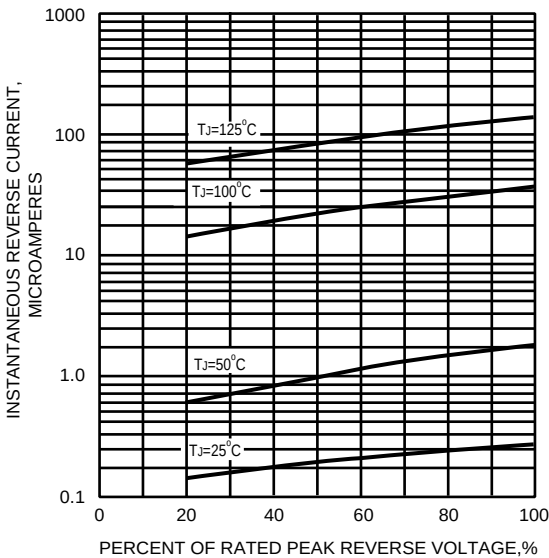


FIG.5 - TYPICAL JUNCTION CAPACITANCE

