




## 10 Amps Single Phase Silicon Bridge

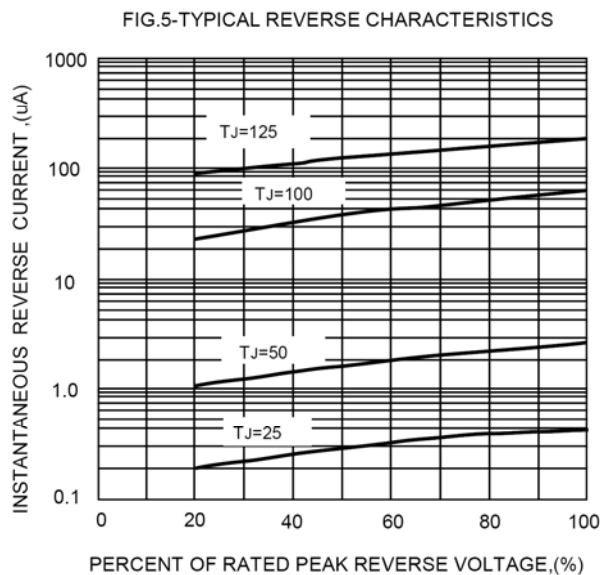
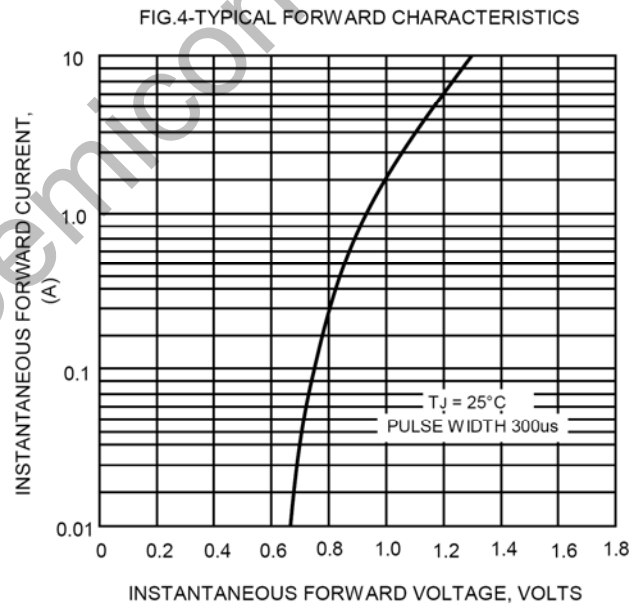
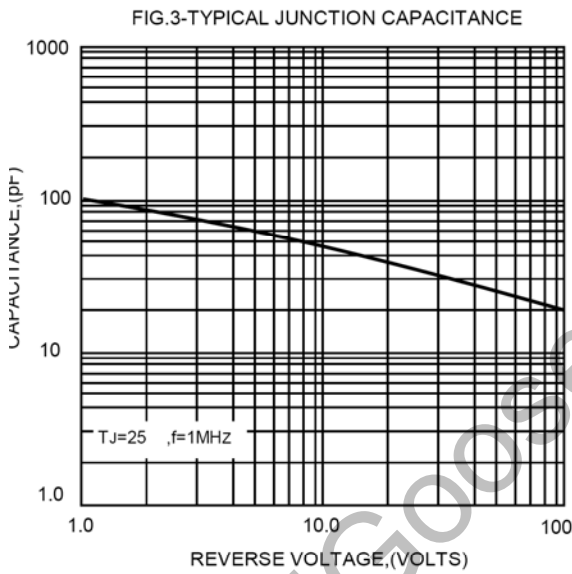
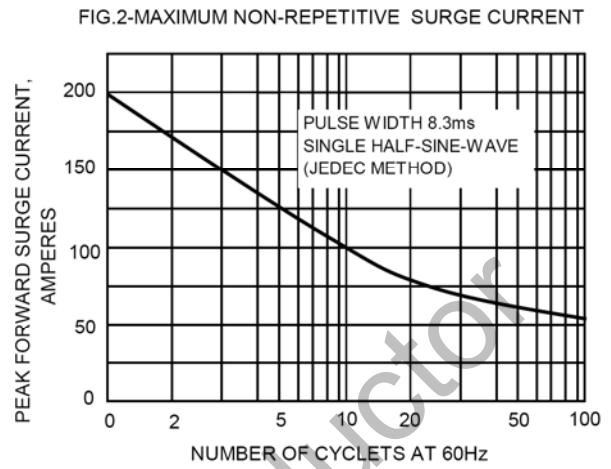
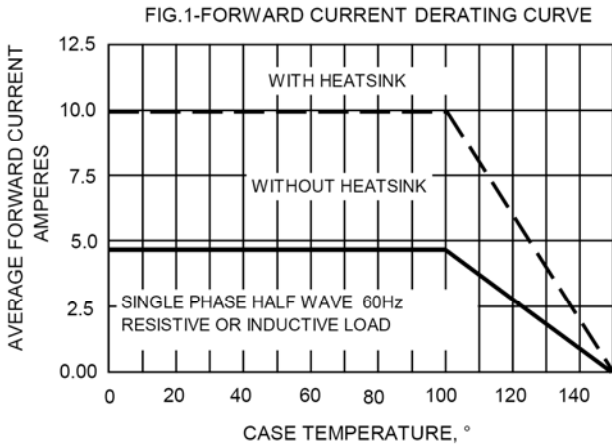
 <p><b>WildGoose</b></p> <p>GBU10005-GBU1010</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> High surge current capability</li> <li><input type="checkbox"/> Ideal for printed circuit boards</li> <li><input type="checkbox"/> Plastic package has Underwriters Laboratory Flammability Classification 94V-0</li> </ul>	<p>GBU </p>  <p style="text-align: center;">- ~ ~ +</p>
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**Absolute Maximum Ratings** (Ta=25°C unless otherwise noted)

Parameter	Symbol	GBU 10005	GBU 1001	GBU 1002	GBU 1004	GBU 1006	GBU 1008	GBU 1010	Unit
Maximum Reverse Peak Repetitive Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	$V_{RMS}$	35	70	140	280	420	560	700	
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	
Maximum Average Forward Rectified Current, @ Ta=50°C	$I_{(AV)}$	10.0							A
Peak Forward Surge Current 8.3ms single half sine wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	350							
Rating for fusing (t < 8.3ms)	$I^2t$	200							A <sup>2</sup> s
Maximum Reverse Current @ rated $V_R$ Tj = 25°C Tj = 125°C	$I_R$	10 500							μA
Maximum Forward Voltage @ 10.0 A	$V_F$	1.1							V
Typical Thermal Resistance	$R_{\theta JA}$	17							°C/W
Typical Junction Capacitance @ $V_R = 4.0$ V, f = 1.0 MHz	$C_j$	70							pF
Operating and Storage Temperature Range	Tj, Tstg	-55 to +150							°C

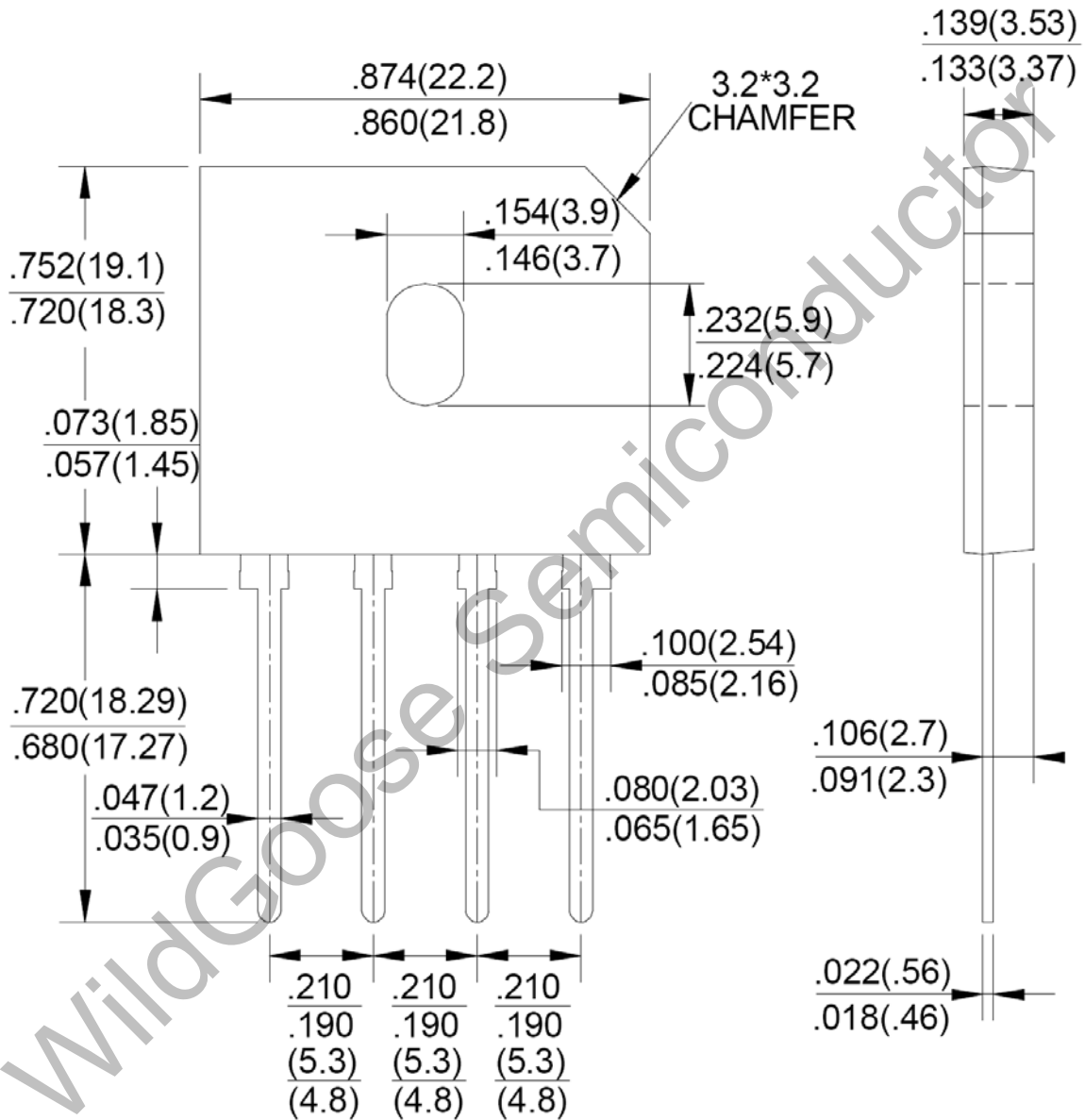
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Typical Characteristics



Package Dimension

**GBU**



Dimensions in inches and (millimeters)

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