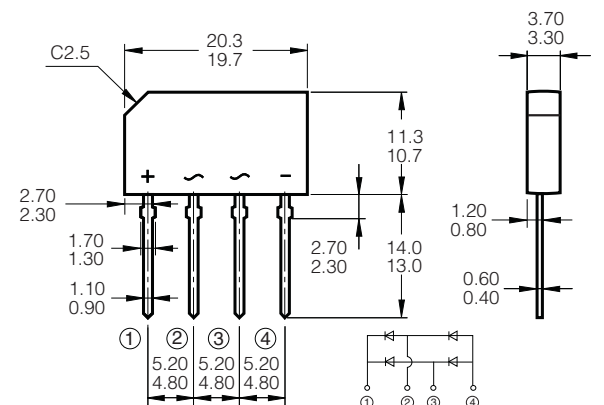


2.0 Amp. Glass Passivated Bridge Rectifiers

Dimensions in mm.	GBL	Voltage 200 V to 1000 V	Current 2.0 A
	<p>MECHANICAL DATA</p> <ul style="list-style-type: none"> Case: Molded plastic body. Terminals: Pure tin plated, Lead free, leads solderable per MIL-STD-750, Method 2026. Weight: 0.06 ounce, 1.7 grams Mounting position: Any 	<ul style="list-style-type: none"> Glass passivated chip junction Ideal for printed circuit board High case dielectric strength Plastic material has Underwriters Laboratory Flammability Classification 94V-0 Typical IR less than 0.1μA High surge current capability High temperature soldering guaranteed: 260 °C / 10 seconds / 9.5mm, lead lengths. 	

Maximum Ratings and Electrical Characteristics at 25 °C

		GBL 203	GBL 204	GBL 205	GBL 206	GBL 207
V_{RRM}	Maximum Recurrent Peak Reverse Voltage (V)	200	400	600	800	1000
V_{RMS}	Maximum RMS Voltage (V)	140	280	420	560	700
V_{DC}	Maximum DC Blocking Voltage (V)	200	400	600	800	1000
$I_{F(AV)}$	Maximum Average Rectified Output Current @ 50 °C Ambient	2.0 A				
I_{FSM}	Peak One Surge Current Overload Current	60 A				
I_t^2	Rating for fusing (t<8.3 ms)	14.9 A ² _{sec}				
C_j	Typical Junction Capacitance Per Leg at 4.0V, 1 MHz	25 pF				
T_j	Operating Temperature Range	-55 to +150 °C				
T_{stg}	Storage Temperature Range	-55 to +150 °C				

Electrical Characteristics at Tamb = 25 °C

V_F	Maximum Instantaneous Forward Voltage @ = 1.0 A	1.0 V
I_R	Maximum DC Reverse Current @ $T_A = 25^\circ\text{C}$ at Rated DC Blocking Voltage @ $T_A = 100^\circ\text{C}$	5.0 μ A 500 μ A
$R_{th(j-a)}$	Typical Thermal Resistance Per Leg (Note)	32 °C/W
$R_{th(j-l)}$	(Note)	13 °C/W

Notes: Thermal Resistance from Junction to Ambient and from Junction to Lead Mounted on P.C.B. 12 x 12mm Copper Pads.

Rating And Characteristic Curves

