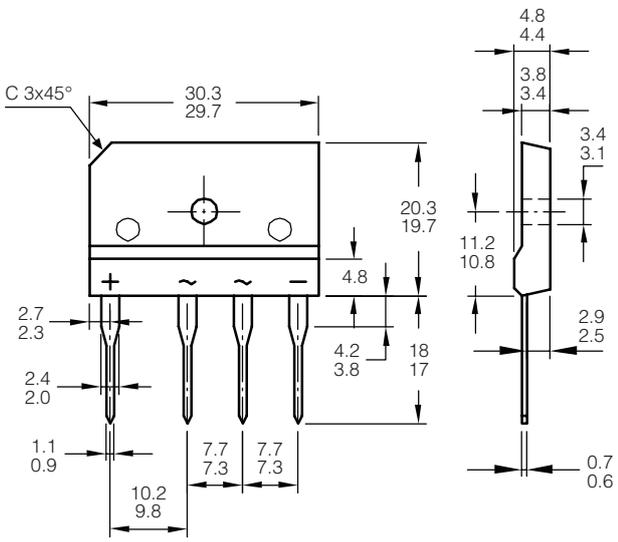
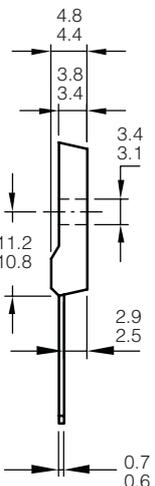


## 20.0 Amp. Glass Passivated Bridge Rectifiers

<p><b>Dimensions in mm.</b></p> 	<p><b>Plastic Case</b></p> 	<p><b>Voltage</b> 400 V to 1000 V</p>	<p><b>Current</b> 20 A</p>
		<ul style="list-style-type: none"> <li>• Glass passivated chip junction</li> <li>• Ideal for printed circuit board</li> <li>• Reliable low cost construction</li> <li>• Plastic material has Underwriters Laboratory Flammability Classification 94V-0</li> <li>• Surge overload rating to 250 amperes peak</li> <li>• High case dielectric strength of 2000 V<sub>RMS</sub></li> <li>• Isolated voltage from case to lead over 2500 volts</li> </ul>	
		<p><b>MECHANICAL DATA</b></p> <ul style="list-style-type: none"> <li>• Case: Molded plastic</li> <li>• Terminals: Leads solderable per MIL-STD-750, Method 2026</li> <li>• Weight: 0.3 ounce, 8 grams</li> <li>• Mounting torque: 8.17 in. lbs. max.</li> </ul>	

### Maximum Ratings and Electrical Characteristics at 25 °C

		D20XB 40	D20XB 60	D20XB 80	D20XB 100
V <sub>RRM</sub>	Maximum Recurrent Peak Reverse Voltage (V)	400	600	800	1000
V <sub>RMS</sub>	Maximum RMS Voltage (V)	280	420	560	700
V <sub>DC</sub>	Maximum DC Blocking Voltage (V)	400	600	800	1000
I <sub>F(AV)</sub>	Maximum Average Forward Rectified Current See Fig.	20.0 A			
I <sub>FSM</sub>	Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	250 A			
T <sub>j</sub>	Operating Temperature Range	-55 to +150 °C			
T <sub>stg</sub>	Storage Temperature Range	-55 to +150 °C			

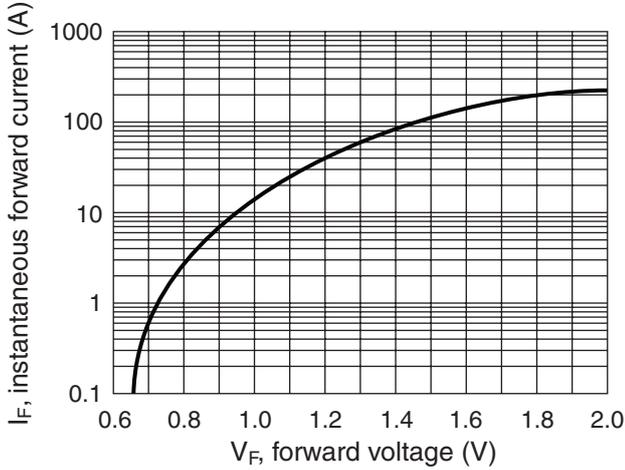
### Electrical Characteristics at Tamb = 25 °C

V <sub>F</sub>	Maximum Instantaneous Forward Voltage @ = 10 A @ = 20 A	1.0 V 1.1 V
I <sub>R</sub>	Maximum DC Reverse Current @ T <sub>A</sub> = 25 °C at Rated DC Blocking Voltage @ T <sub>A</sub> = 125 °C	10 μA 500 μA
R <sub>th(j-c)</sub>	Typical Thermal Resistance (Note)	0.8 °C/W

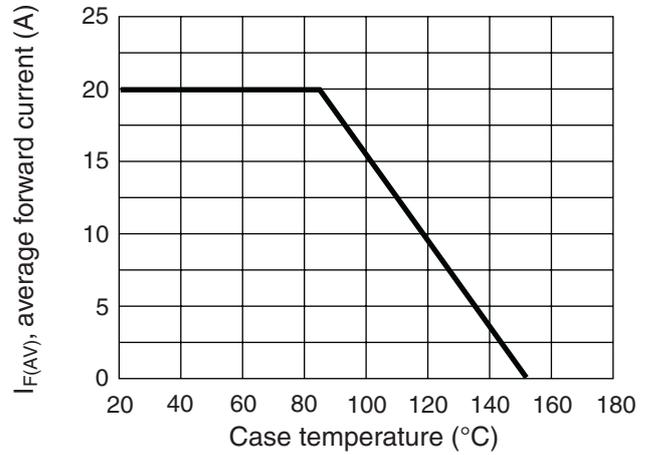
Note: Thermal Resistance from Junction to Case with Device Mounted on 300mm x 300mm x 1.6mm Cu Plate Heatsink.

**Rating And Charasterictic Curves**

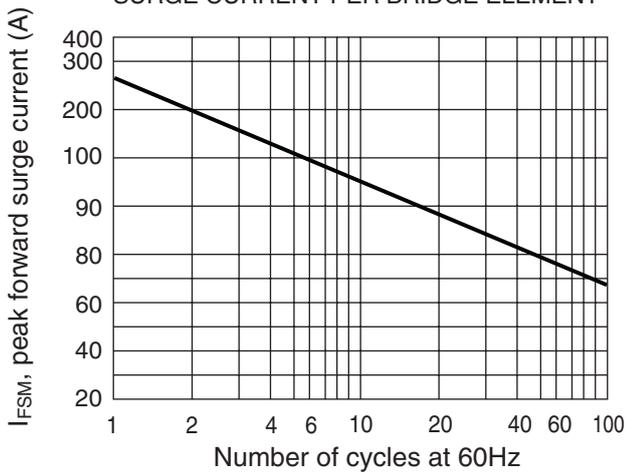
TYPICAL FORWARD CHARACTERISTICS PER BRIDGE ELEMENT



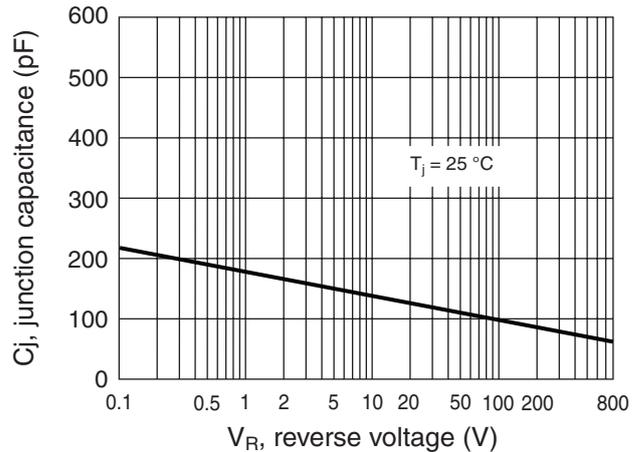
MAXIMUM FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT PER BRIDGE ELEMENT



TYPICAL JUNCTION CAPACITANCE



TYPICAL REVERSE CHARACTERISTICS PER BRIDGE ELEMENT

