

## 25 Amp. Glass Passivated Bridge Rectifier

<p><b>Dimensions in mm.</b></p>	<p><b>Voltage</b> 50 to 1000 V</p> <p><b>Current</b> 25 A</p>
	<ul style="list-style-type: none"> <li>• Glass Passivated Junction</li> <li>• UL recognized under component index file number E130180</li> <li>• Terminals: FASTON ①</li> <li>• Terminals: WIRE LEADS ②</li> <li>• Max. Mounting Torque: 25 Kg x cm</li> </ul> <p>Lead and polarity identifications High surge current capability</p>

### Maximum Ratings, according to IEC publication No. 134

		①	FB2500	FB2501	FB2502	FB2504	FB2506	FB2508	FB2510
		②	FB2500L	FB2501L	FB2502L	FB2504L	FB2506L	FB2508L	FB2510L
$V_{RWM}$	Max. peak working voltage (V)		50	100	200	400	600	800	1000
$V_{RMS}$	Recommended input voltage (V)		20	40	80	125	250	380	500
$I_{F(AV)}$	Max. forward current R-load: At T case = 55 °C At T case = 90 °C With Al Square Chassis (200 cm <sup>2</sup> x 3 mm.) Tamb = 45 °C					25 A 17 A			
$I_{FRM}$	Recurrent peak forward current					75 A			
$I_{FSM}$	10 ms. peak forward current					300 A			
$I^2t$	$I^2t$ value for fusing (t = 10 ms)					450 A <sup>2</sup> sec			
$T_j$	Operating temperature range					- 55 to + 150 °C			
$T_{stg}$	Storage temperature range					- 55 to + 150 °C			

### Electrical Characteristics at Tamb = 25 °C

$V_F$	Max. forward voltage drop per element at $I_F = 12.5$ A	1.1 V
$I_R$	Max. reverse current per element at $V_{RWM}$ d.c.	5 $\mu$ A
$R_{thj-c}$	Typical thermal resistance junction to case	1.4 °C/W
	Isolation voltage from case to leads	2500 Vac

Characteristic Curves

