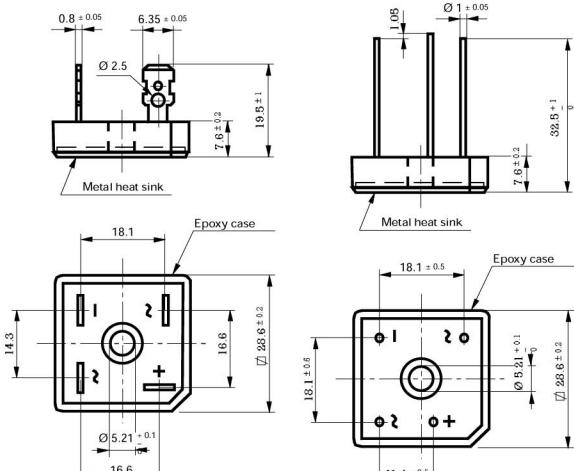


FB3500.....FB3510  
FB3500L.....FB3510L

## 35 Amp. Glass Passivated Bridge Rectifier

Dimensions in mm.	Voltage 50 to 1000 V	Current 35 A
	<b>HYPERECTIFIER®</b> <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> <li>Lead and polarity identifications</li> <li>High surge current capability</li> </ul>	

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

	①	FB3500	FB3501	FB3502	FB3504	FB3506	FB3508	FB3510
	②	FB3500L	FB3501L	FB3502L	FB3504L	FB3506L	FB3508L	FB3510L
$V_{RRM}$	Peak Recurrent Reverse Voltage (V)	50	100	200	400	600	800	1000
$V_{RMS}$	Maximum RMS Voltage (V)	35	70	140	280	420	560	700
$V_R$	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				35 A 20 A 12 A			
$I_{FRM}$	Recurrent peak forward current				75 A			
$I_{FSM}$	10 ms. peak forward current				400 A			
$I^2t$	$I^2t$ value for fusing (t = 10 ms)				800 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 $I_F = 17.5$ A	1.1 V
$I_R$	Max. reverse current per element at $V_{RRM}$ d.c.	5 µ A
$R_{thj-c}$	Typical thermal resistance junction to case	1.3 °C/W
	Isolation voltage from case to leads	2500 Vac

