

35 Amp. Glass Passivated Bridge Rectifier

<p>Dimensions in mm.</p>	<p>Voltage 50 to 1000 V</p> <p>Current 35 A</p>
	<ul style="list-style-type: none"> • Glass Passivated Junction • UL recognized under component index file number E130180 • Terminals: FASTON ① • Terminals: WIRE LEADS ② • Max. Mounting Torque: 25 Kg x cm <p>Lead and polarity identifications High surge current capability</p>

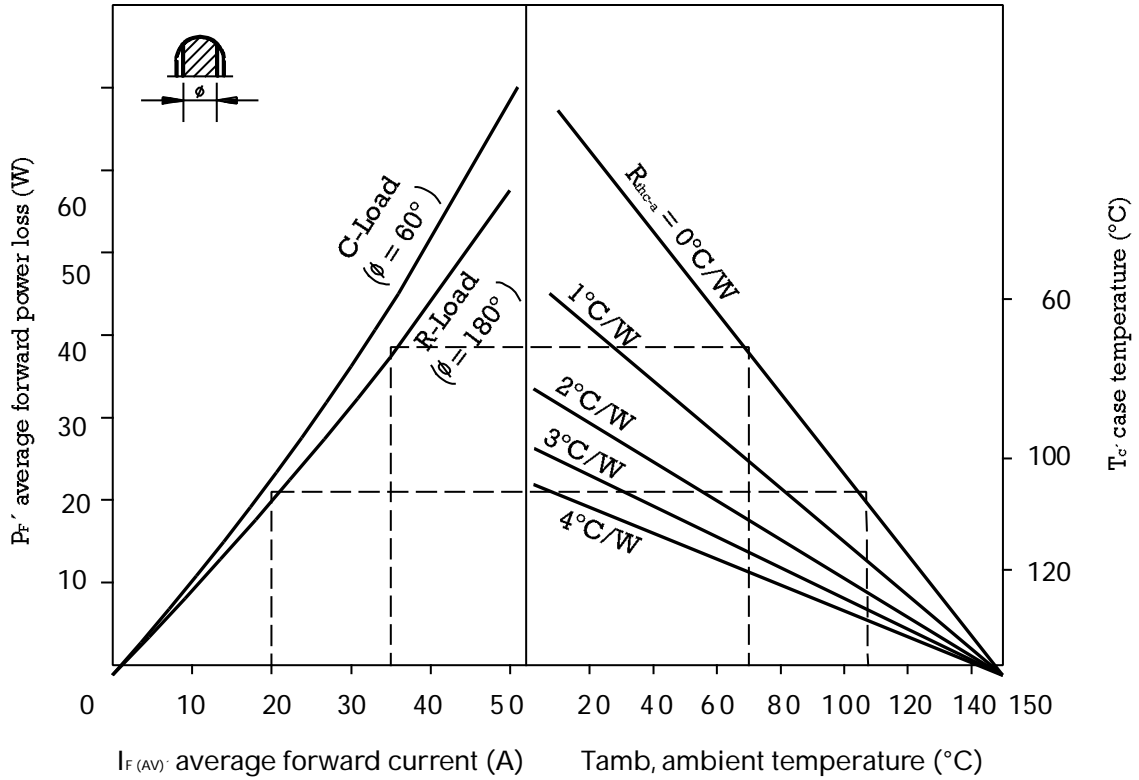
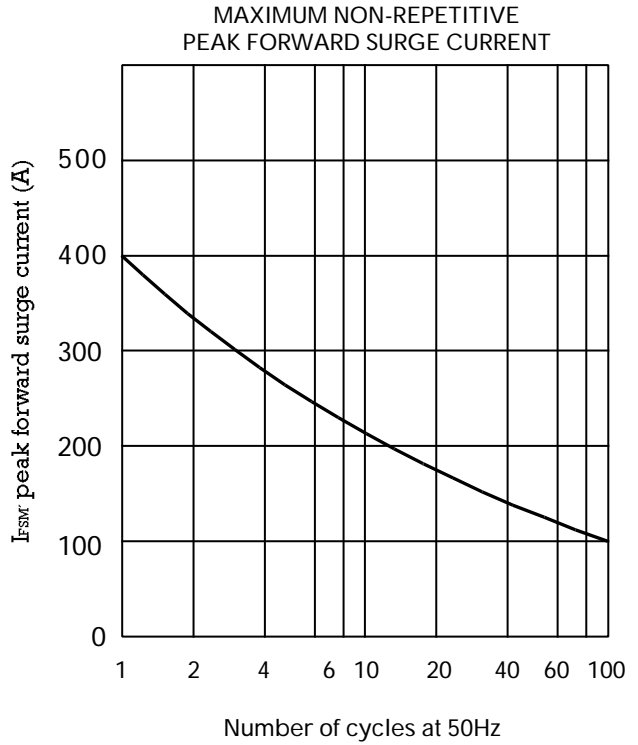
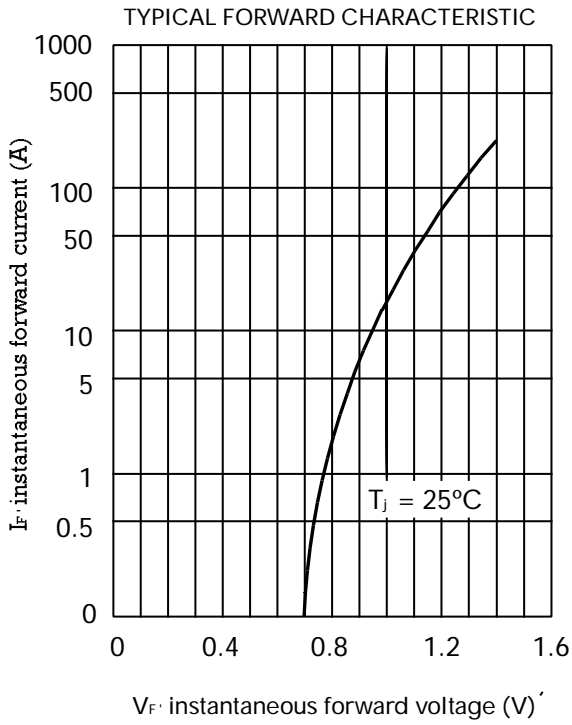
Maximum Ratings, according to IEC publication No. 134

		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 ² 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 ² 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

Characteristic Curves



Interrelation between power dissipation and the max. allowable ambient temperature.