

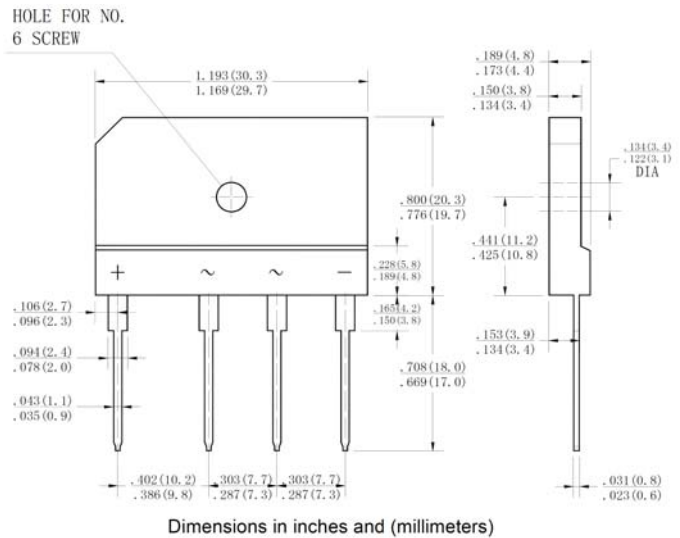
GLASS PASSIVATED BRIDGE RECTIFIERS

GBJ35005 THRU GBJ3510 50 to 1000 V 35A

6KBJ

FEATURES

- Glass passivated chip
- Plastic material has Underwriters Laboratory Flammability classification 94V-0
- High surge forward current capability
- Mounting Position: Any



Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60HZ, resistive or inductive load. For capacitive load, derate current by 20%.

Item	Symbol	Unit	Conditions	GBJ35						
				005	01	02	04	06	08	10
Repetitive Peak Reverse Voltage	V_{RRM}	V		50	100	200	400	600	800	1000
Average Rectified Output Current	I_o	A	60Hz sine wave R-load	35						
			With heatsink $T_c = 100^\circ\text{C}$	3.5						
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60HZ sine wave, 1 cycle, $T_j = 25^\circ\text{C}$	400						
Current Squared Time	I^2t	A^2S	$1\text{ms} \leq t < 8.3\text{ms}$ $T_j = 25^\circ\text{C}$, Rating of per diode	664						
Storage Temperature	T_{stg}	$^\circ\text{C}$		-55 ~ +150						
Junction Temperature	T_j	$^\circ\text{C}$		-55 ~ +150						
Dielectric Strength	V_{dis}	KV	Terminals to case, AC 1 minute	2.5						
Mounting Torque	T_{or}	Kg.cm	Recommend torque : 5kg.cm	8						
Peak Forward Voltage	V_{FM}	V	$I_{FM} = 17.5\text{A}$, Pulse measurement, Rating of per diode	1.1						
Peak Reverse Current	I_{RRM}	μA	$V_{RM} = V_{RRM}$, Pulse measurement, Rating of per diode	10						
Thermal Resistance	$R_{\theta J-A}$	$^\circ\text{C}/\text{W}$	Between junction and ambient, Without heatsink	22						
	$R_{\theta J-C}$		Between junction and case, With heatsink	0.8						

RATINGS AND CHARACTERISTIC CURVES

