Bridge Rectifiers

Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Thin single in-line package
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Typical Applications

General purpose use in AC/DC bridge full wave rectification for switching power supply, home appliances, office equipment, industrial automation applications.

Mechanical Data

- **Package**: 6KBJ
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** As marked on body

■**Maximum Ratings** (T_a=25 Unless otherwise specified

M x m m ´ M . Vo t ge.	VRM .	V.	3˜ .	70.	¼40.	280.	420.	560.	700.	
M x m m ` C ~ oc ng ˆ o t Vge.	V.	50.	100.	200.	400.	600.	800.	rrent s q uared time		
@1ms ÒtÒ8 . 3ms T j , =25 ting of per diode										

	^2t	A^2s	508
Storage temperature	T_{stg}		-55 ~ +150
Junction temperature	T_j		-55 ~ +150

Dielectric strength

GBJ35005 THRU GBJ3510

■Electrical Characteristics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	GBJ35005	GBJ3501	GBJ3502	GBJ3504	GBJ3506	GBJ3508	GBJ3510
Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=17.5A	1.05						
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	T_j =25	5						
			T_j =125	100						
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	116						

■Thermal Characteristics T_a=25 Unless otherwise specified

Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with
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