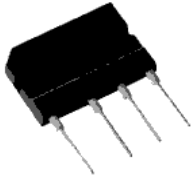
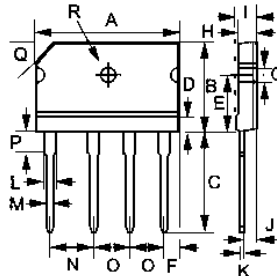


GBJ35005 thru GBJ3510

Single Phase Bridge Rectifiers



Dimensions GBJ(RS6M)



GBJ		
DIM.	MIN.	MAX.
A	29.70	30.30
B	19.70	20.30
C	17.0	18.0
D	4.70	4.90
E	10.80	11.20
F	2.30	2.70
G	3.10	3.40
H	3.40	3.80
I	4.40	4.80
J	2.50	2.90
K	0.60	0.80
L	2.00	2.40
M	0.90	1.10
N	9.80	10.20
O	7.30	7.70
P	3.80	4.20
Q	(3.0) x 45°	
R	3.10 ∅	3.40 ∅

All Dimensions in millimeter

	V _{RRM} V	V _{RMS} V	V _{DC} V
GBJ35005	50	35	50
GBJ3501	100	70	100
GBJ3502	200	140	200
GBJ3504	400	280	400
GBJ3506	600	420	600
GBJ3508	800	560	800
GBJ3510	1000	700	1000

Symbol	Characteristics	Maximum Ratings	Unit
I _{AV}	Maximum Average Forward (With Heatsink Note 2) Rectified Current @T _c =50°C (Without Heatsink)	35.0	A
I _{FSM}	Peak Forward Surge Current 8.3ms Single Half-Sine-Wave Superimposed On Rated Load (JEDEC METHOD)	400	A
V _F	Maximum Forward Voltage At 17.5A DC	1.1	V
I _R	Maximum DC Reverse Current @T _J =25°C At Rated DC Blocking Voltage @T _J =125°C	5.0 500	uA
I ² t	I ² t Rating For Fusing (t < 8.3 ms)	660	A ² S
C _J	Typical Junction Capacitance Per Element (Note 1)	150	pF
R _{θJC}	Typical Thermal Resistance (Note 2)	1.2	°C/W
T _J	Operating Temperature Range	-55 to +150	°C
T _{STG}	Storage Temperature Range	-55 to +150	°C

NOTES: 1. Measured At 1.0MHz And Applied Reverse Voltage Of 4.0V DC.
2. Device Mounted On 300mm x 300mm x 1.6mm Cu Plate Heatsink.

FEATURES

- * Rating to 1000V PRV
- * Ideal for printed circuit board
- * Low forward voltage drop, high current capability
- * Reliable low cost construction utilizing molded plastic technique results in inexpensive product

MECHANICAL DATA

- * Polarity: Symbols molded on body
- * Weight: 0.23 ounces, 6.6 grams
- * Mounting position: Any

GBJ35005 thru GBJ3510

Single Phase Bridge Rectifiers

FIG.1 - FORWARD CURRENT DERATING CURVE

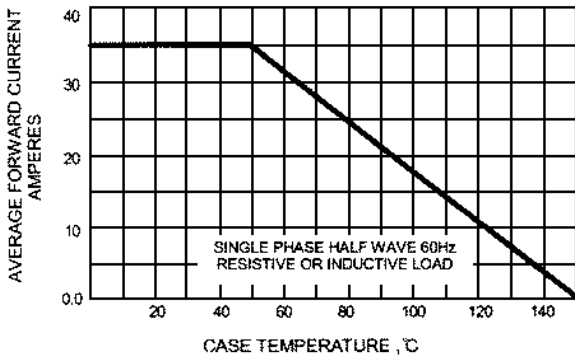


FIG.2 - MAXIMUM NON-REPETITIVE SURGE CURRENT

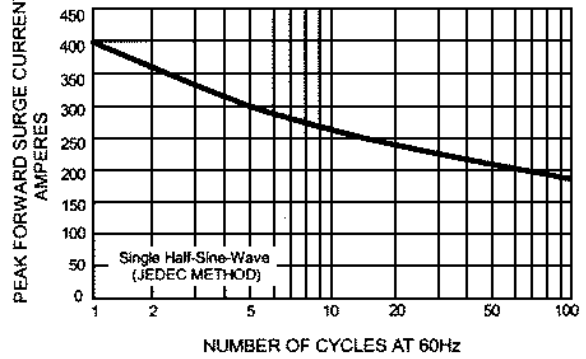


FIG.3 - TYPICAL JUNCTION CAPACITANCE

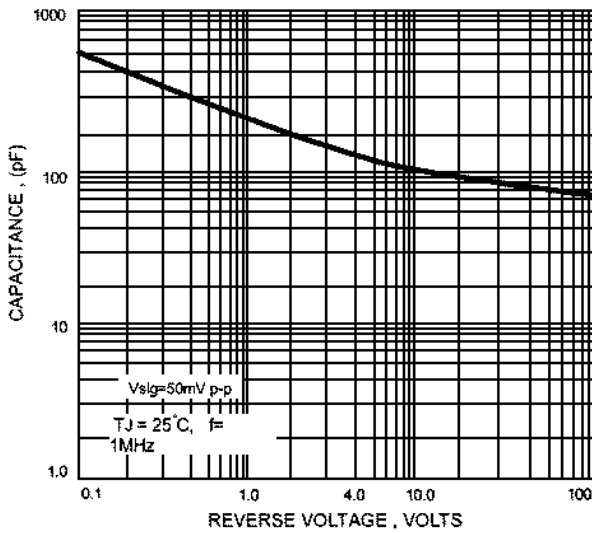


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

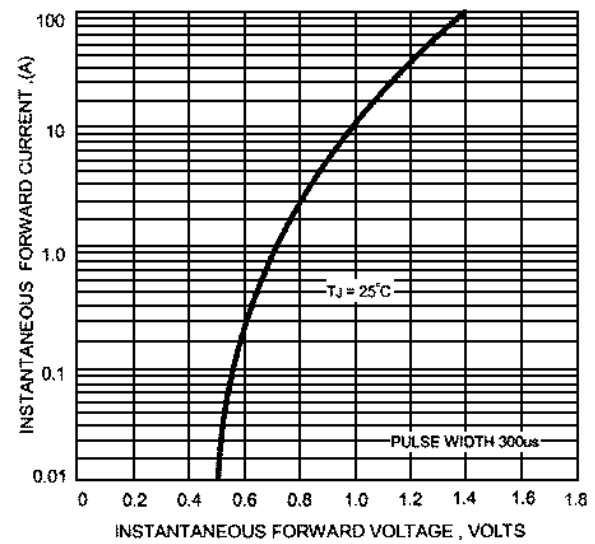


FIG.5 - TYPICAL REVERSE CHARACTERISTICS

