- UL recognition, file #E230084
- Universal 3-way terminals snap-on wire wrap-around or PCB mounting
- Glass passivated chip junction
- High surge current capability
- Low thermal resistance
- Solder dip 275 °C max. 7 s, per JESD 22-B106

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

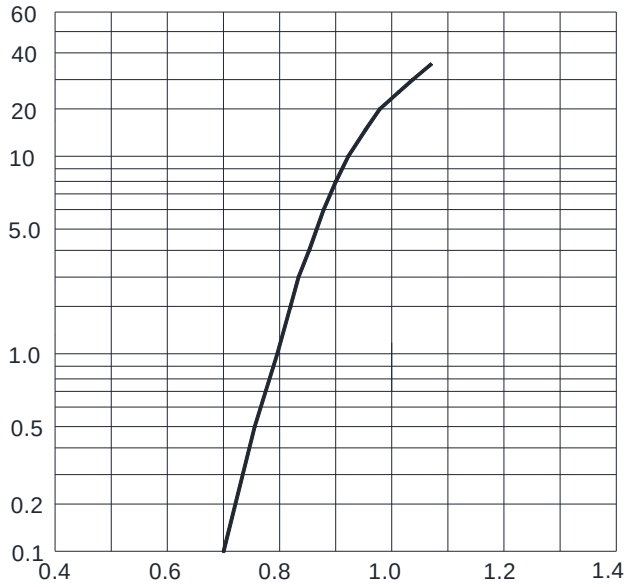
- : GBPC GBPC-W
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- : Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Suffix letter “W” added to indicate wire leads(e.g. GBPC3510W).

■ (T_a=25 Unless otherwise specified

Device marking code			GBPC3501	GBPC3502	GBPC3504	GBPC3506	GBPC3508	GBPC3510	GBPC3512
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	100	200	400	600	800	1000	1200
Maximum RMS Voltage	V_{RMS}	V	70	140	280	420	560	700	840
Average rectified output current @60Hz sine wave, R-load, T_C =60	I_O	A	35						
Forward Surge Current (Non-repetitive) @8.3ms, Half-sine wave,1 cycle, Tj=25	I_{FSM}	A	450						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			900						
Current squared time @1ms≤t≤8.3ms Tj=25 , Rating of per diode	I^2t	A^2S	841						
Ö - $ ˩		7M	-55 ~ +150						
Dielectric strength @ Terminals to case, AC 1 minute	V_{dis}	KV	2.5						

■ T_a=25 Unless otherwise specified

Maximum instantaneous forward voltage drop per diode	V_F	V	I_{FM}=17.5A	1.1						
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	μA	T_j=25	5						
			T_j=125							



■

A	28.2	28.8
B	17.1	19.1
C	10.4	12.4
D	0.95	1.05
E	7.6	8.2
F	30	/
G	4.5	5.5

A	28.2	28.8
B	15.3	17.3
C	17.1	19.1
D	13.2	15.2
E	0.75	0.85
F	6.2	6.4
G	2.4	2.6
H	7.6	8.2
I	19	/
J	4.5	5.5