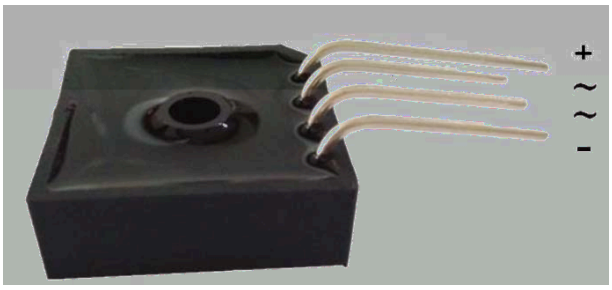
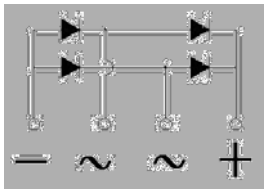
Bridge Rectifiers





Features

- UL recognition, file #E230084
- Universal 3-way terminals snap-on wire wrap-around or PCB mounting
- Glass passivated chip junction
- 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 power supply, home appliances, office equipment, industrial automation applications.

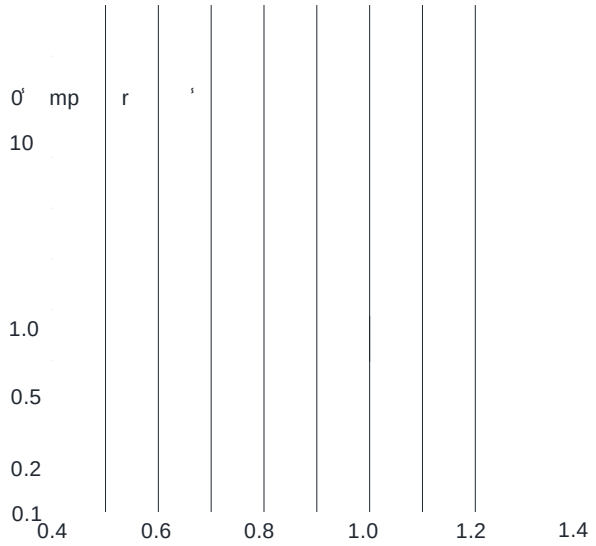
Mechanical Data

- **Package**: BR-L
  Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102

■Maximum Ratings (T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	BR15005L	BR1501L	BR1502L	BR1504L	BR1506L	BR1508L	BR1510L
Device marking code			BR15005L	BR1501L	BR1502L	BR1504L	BR1506L	BR1508L	BR1510L
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	V	50	100	200	400	600	800	1000
Maximum RMS Voltage	V_{RMS}	V	35	70	140	280	420	560	700
Maximum DC blocking Voltage	V_{DC}	V	50	100	200	400	600	800	1000
Average rectified output current @60Hz sine wave, R-load, T_C =90	IO	A	15						
Forward Surge Current (Non-repetitive) @8.3ms, Half-sine wave,1 cycle, Tj=25	I_{FSM}	A	300						
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			600						
Current squared time @1ms≤t≤8.3ms Tj=25 , Rating of per diode	I^2t	A^2S	374						
Storage temperature	T_{stg}		-55 ~ +150						
Junction temperature	Tj		-55 ~ +150						
Dielectric strength @ Terminals to case, AC 1 minute	V_{dis}	KV	2.5						
Mounting torque @Recommend torque 5kg cm	Tor	kg cm	8						

FIG3: Typical Forward Voltage



■ Outline Dimensions

BR-L		
Dim	**Min**	**Max**
A	28.2	28.8
B	3.0	4.5
C	19.1	/
D	13.9	/
E	1.23	1.33
F	4.6	5.6
G	4.5	5.5
H	10.8	11.2

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