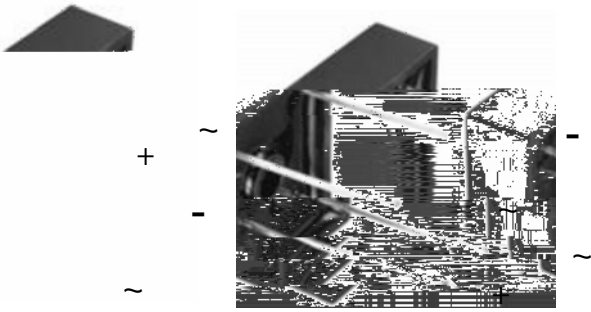


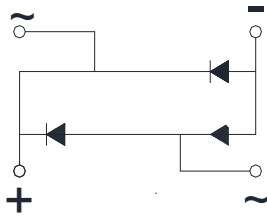
## Bridge Rectifiers



### Features

- UL recognition, file eE230084
- 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

### Typical Applications



### Mechanical Data

- Package:** BR BR-W
- Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Suffix letter "W" added to indicate wire leads (e.g. BR1510W).

### Maximum Ratings (T<sub>a</sub>=25 °C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	BR15005	BR1501	BR1502	BR1504	BR1506	BR1508	BR1510W
Forward Surge Current (Non-repetitive) 48ms Half-sine wave 1 cycle T <sub>1</sub>	I <sub>FSM</sub>	A				300			
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T <sub>j</sub> =25 °C						600	J a fg	HJ	
Current squared time	I <sup>2</sup> t	A <sup>2</sup> S				374			
Storage temperature	T <sub>stg</sub>	°C		1		J			
Mounting Torque	Tor	kg cm							8



## BR15005(W) THRU BR1510(W)

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Electrical Characteristics  $T_a$



# BR15005(W) THRU BR1510(W)

FIG3: Typical Forward Voltage

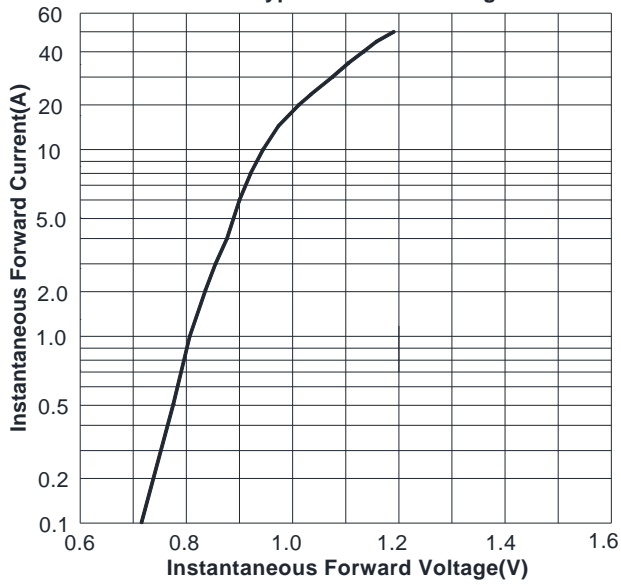
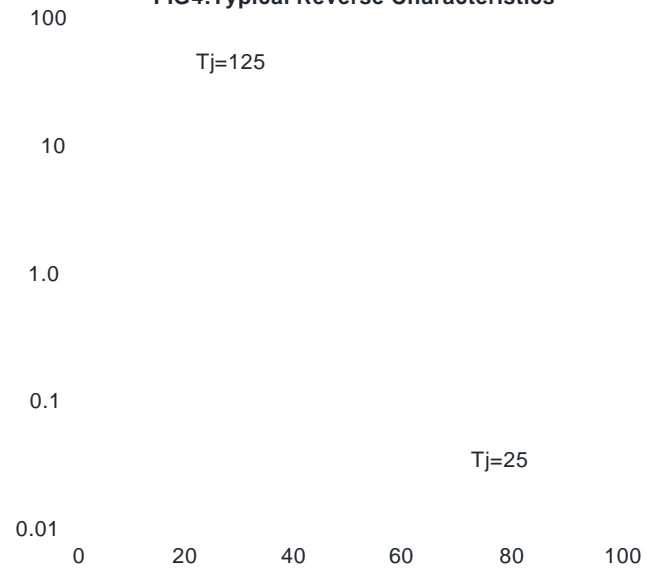


FIG4: Typical Reverse Characteristics



## Outline Dimensions

BR-W		
Dim	Min	Max
A	28.2	28.8
B	17.1	19.1
C	10.4	12.4
D	0.95	1.05
E	10.8	11.2
F	30	/
G	4.5	5.5

BR		
Dim	Min	Max
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	2.3	2.5
H	10.8	11.2
I	19	/
J	4.5	5.5



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