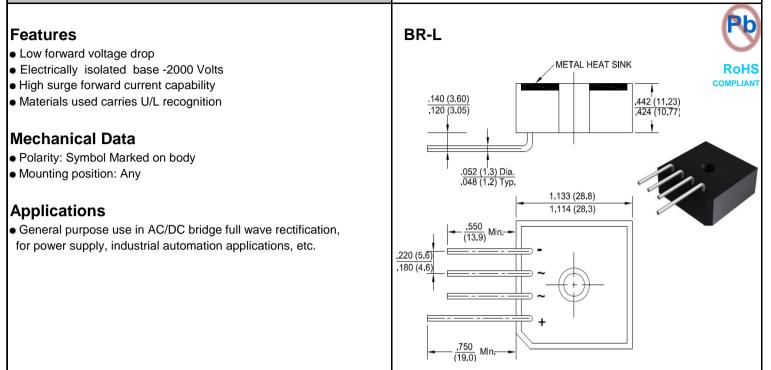


BR3505L THRU BR3510L

Silicon Bridge Rectifiers

Reverse Voltage - 50 to 1000 Volts

Forward Current - 35 Amperes



Package Outline Dimensions in Inches (Millimeters)

Maximum Ratings and Electrical Characteristics

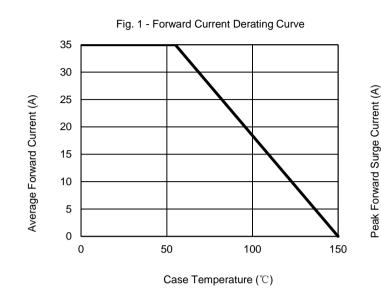
Rating at 25 °C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

Characteristics		BR	BR	BR	BR	BR	BR	BR	Unit
	Symbol	3505L	351L	352L	354L	356L	358L	3510L	
Maximum Repetitive Peak Reverse Voltage	Vrrm	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	Vrms	35	70	140	280	420	560	700	V
Maximum Average Forward Rectified Current @Tc=55 $^\circ\!\!\!\!^\circ$	I(AV)	35							А
Peak Forward Surge Current, 8.3mS Single Half Sine-Wave,	Isou	400							A
Superimposed on Rated Load (JEDEC Method)	IFSM								
I ² t Rating for Fusing (t<8.3mS)	l ² t	664							A ² s
Peak Forward Voltage per Diode at 17.5A DC	VF	1.1							V
Maximum DC Reverse Current at Rated	-	10							
DC Blocking Voltage per Diode @TJ=25℃	lr								μA
Operating Junction Temperature Range	TJ	-55 to +150							°C
Storage Temperature Range	Tstg	-55 to +150							°C

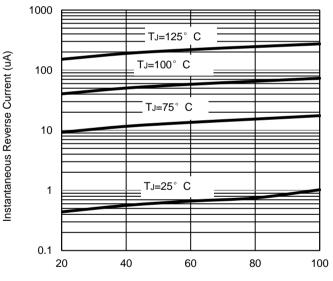




450 400 8.3mS Single Half-Sine-Wave (JEDEC METOD) 350 300 250 200 150 100 50 0 100 10 1 Number of Cycles at 60Hz

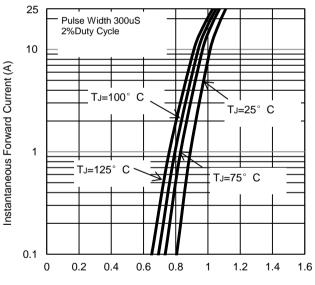
Fig. 2 - Maximum Non-Repetitive Surge Current

Fig. 3 - Typical Reverse Characteristics



Percent of Rated Peak Reverse Voltage (%)

Fig. 4 - Typical Forward Characteristics



Instantaneous Forward Voltage (V)

The curve above is for reference only.



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