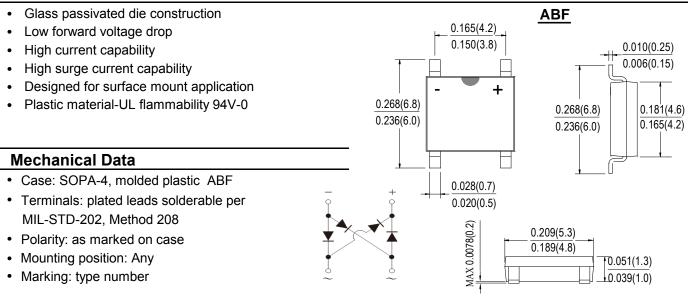


RABF152 THRU RABF1510

SINGLE PHASE 1.5AMP FAST GLASS PASSIVATED BRIDGE RECTIFIER

Features



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Rating at 25 $^\circ\!{\rm C}$ ambient temperature unless otherwise specified.

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

For capacitive load, derate current by 20%.

TYPE NUMBER	SYMBOL	RABF152	RABF154	RABF156	RABF158	RABF1510	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM	200	400	600	800	1000	V
	VRWM						
	VDC						
RMS Reverse Voltage	VRMS	140	280	420	560	700	V
Average Rectified Output Current @Tc =100℃	IF(AV)	1.5					А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50					A
Rating for fusing (t<8.3ms)	l ² t	10.375					A ² s
Forward Voltage per element @IF=1.5A	Vfm	1.3					V
Peak Reverse Current @Ta =25°C At Rated DC Blocking Voltage @Ta =125°C	lĸ	5.0 200					uA
Maximum Reverse Recovery Time (Note1)	Trr		150	250	50	00	ns
Typical Thermal Resistance per leg	Reja	62.5					°C/W
	Rej∟	25					
Operating and Storage Temperature Range	Tj,Tstg	-55to+150					°C

Note: 1.Reverse Recovery Test Conditions:IF=0.5A,IR=1.0A,IRR=0.25A.



RABF152 THRU RABF1510

FIG.1 FORWARD CURRENT DERATING CURVE 2.4 2.0 1.6 1.2 0.8 0.4 0.00 50 100 150 CASE TEMPERATURE(°C) FIG.2 TYPICAL FORWARD CHARACTERISTICS

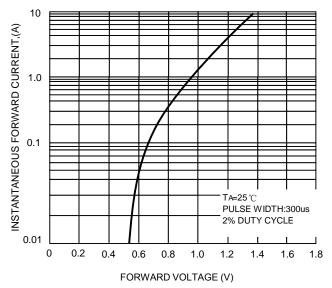
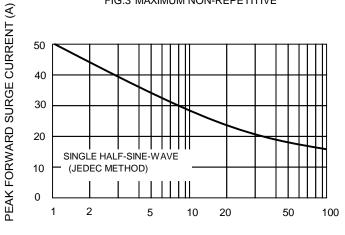


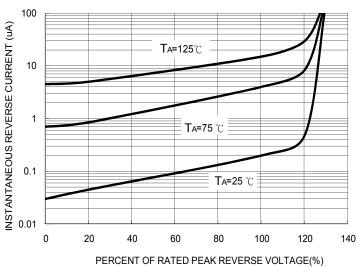
FIG.3 MAXIMUM NON-REPETITIVE



NUMBER OF CYCLES AT 60 Hz



9.1 3.2 0,9 FIG. 4 TYPICAL REVERSE CHARACTERISTICS





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