

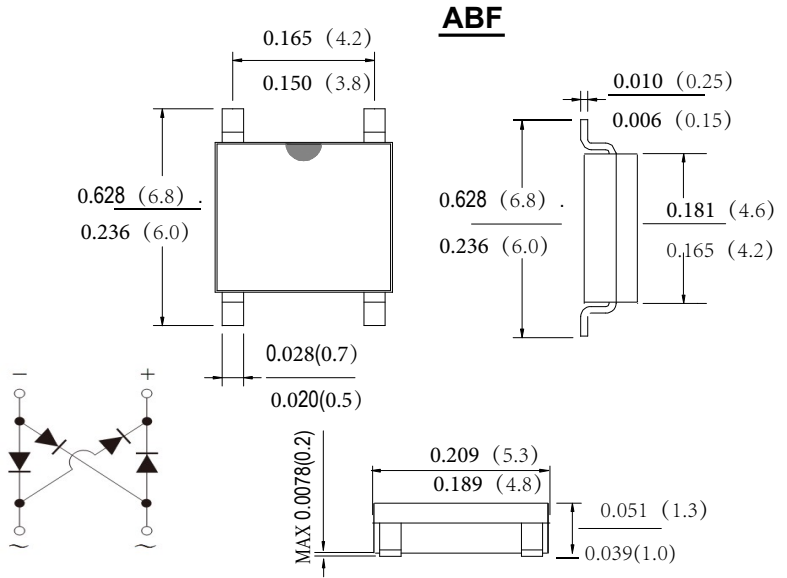
Features

- Glass passivated die construction
- Low forward voltage drop
- High current capability
- High surge current capability

- Plastic material-UL flammability 94V-0

Mechanical Data

- Case: SOPA-4, molded plastic ABF
- Terminals: plated leads solderable per MIL-STD-202, Method 208
- Polarity: as marked on case
- Mounting position: Any
- Marking: type number



Dimensions in inches and(milimeters)

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%.

TYPE NUMBER	SYMBOL	RABF152	RABF154	RABF156	RABF158	RABF1510	UNITS
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM}						
	V _{RWM}	200	400	600	800	1000	V
	V _{DC}						
RMS Reverse Voltage	V _{RMS}	140	280	420	560	700	V
Average Rectified Output Current @T _c =100°C	I _{F(AV)}	1.5					A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	50					A
Rating for fusing (t<8.3ms)	I ² t	10.375					A ² s
Forward Voltage per element @I _F =1.5A	V _{FM}	1.3					V
Peak Reverse Current @T _A =25°C At Rated DC Blocking Voltage @T _A =125°C	I _R	5.0					uA
		200					
Maximum Reverse Recovery Time (Note 1)	T _{rr}	150	250	500			ns
Typical Thermal Resistance per leg	R _{θJA}	62.5					°C/W
	R _{θJL}	25					
Operating and Storage Temperature Range	T _J , T _{STG}	-55to+150					°C



RABF152 THRU RABF1510

SINGLE PHASE 1.5AMP FAST GLASS PASSIVATED BRIDGE RECTIFIER



FIG.1 FORWARD CURRENT DERATING CURVE

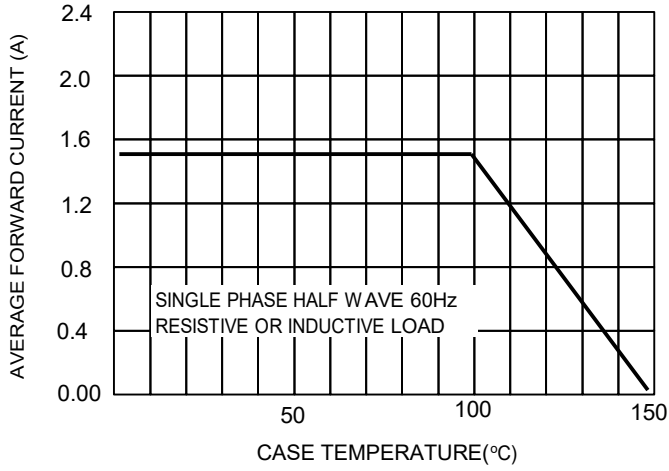


FIG.2 TYPICAL FORWARD CHARACTERISTICS

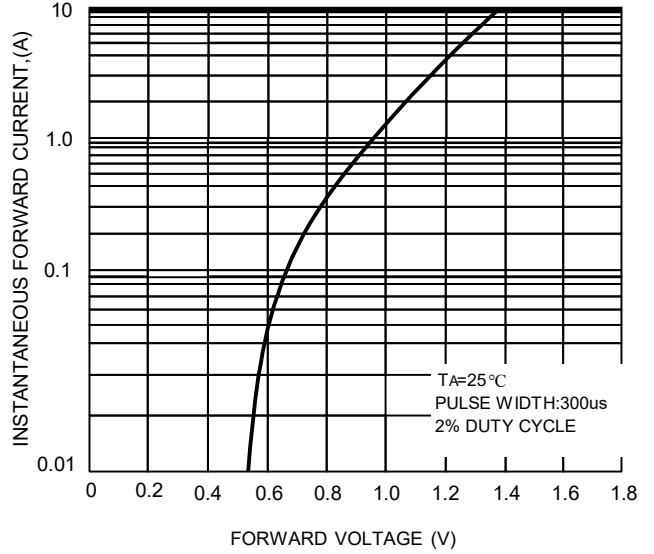


FIG.3 MAXIMUM NON-REPETITIVE

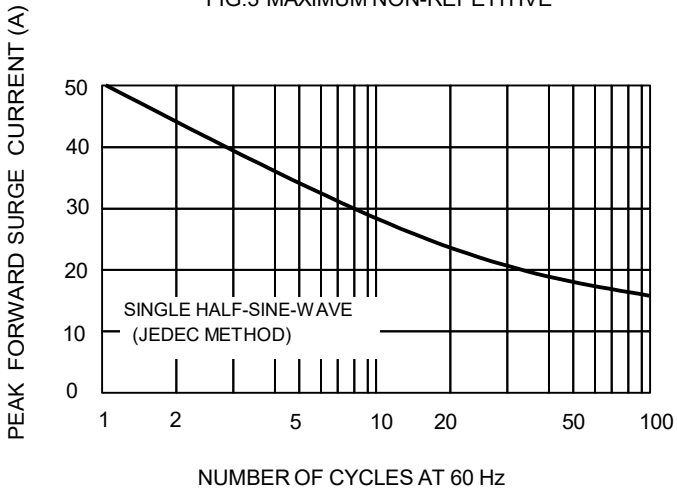


FIG. 4 TYPICAL REVERSE CHARACTERISTICS

