

Glass Passivated Bridge Rectifiers

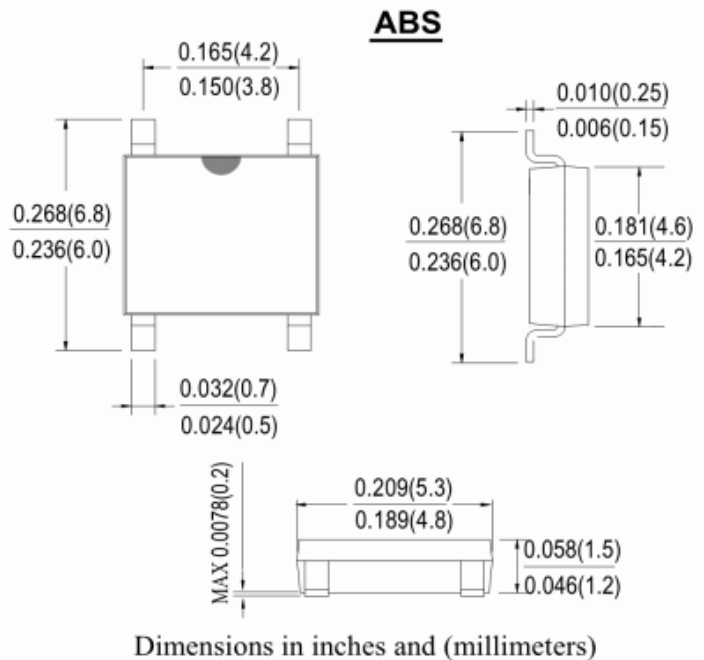
ABS2 THRU ABS10 200 to 1000 V 1.0 A

FEATURES

- Glass passivated die construction
- Low forward voltage drop
- High current capability
- High surge current capability
- Designed for surface mount application
- Plastic material-UL flammability 94V-0

Mechanical Data

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



Maximum Ratings and Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single phase , half wave, 60HZ, resistive or inductive load. For capacitive load, derate current by 20%.

MAXIMUM RATINGS (At T_A=25°C unless otherwise noted)

RATINGS	Symbols	ABS2	ABS4	ABS6	ABS8	ABS10	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	200	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current On glass-epoxy P.C.B. On aluminum substrate	I _(AV)	0.8 1.0					Amp
Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load	I _{FSM}	30					Amp
Maximum Forward Voltage drop per element of 0.5A DC	V _{FM}	1.0					Volts
Maximum DC Reverse Current at rated @ T _A =25°C DC Blocking Voltage Per Element @ T _A =100°C	I _R	10 150					µAmp
Typical Thermal resistance Junction to Lead On aluminum substrate On Glass-Epoxy substrate	R _{θJL} R _{θJA} R _{θJA}	20 62.5 80					°C/W
Operating Temperature Range	T _J	-55 to +150					°C
Storage Temperature Range	T _{STG}	-55 to +150					°C

RATINGS AND CHARACTERISTIC CURVES (ABS2 THRU ABS10)

图1: I_o - T_a 曲线
FIG1: I_o - T_a Curve

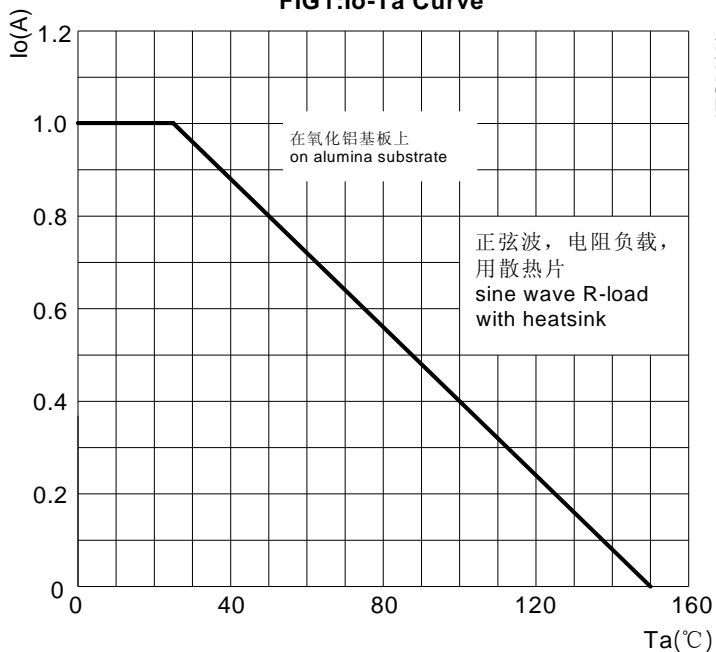


图2: 耐正向浪涌电流曲线
FIG2: Surge Forward Current Capability

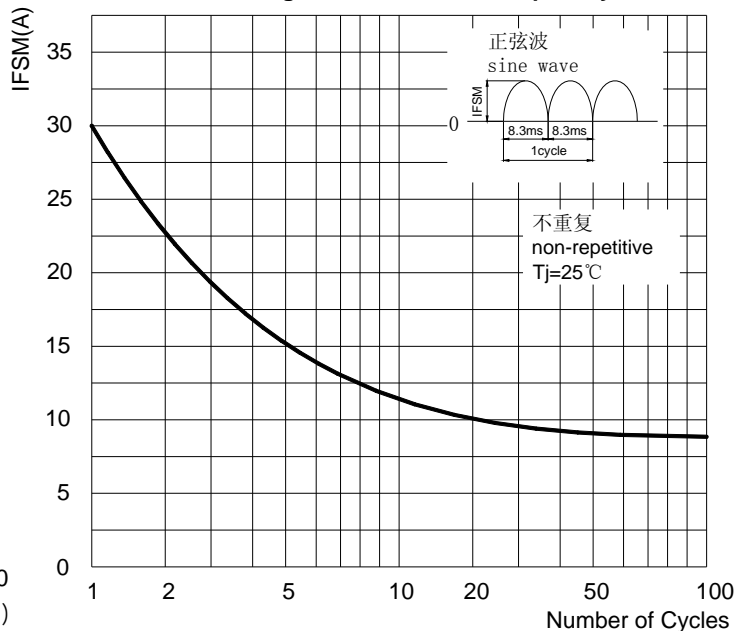


图3: 正向电压曲线
FIG3: Forward Voltage

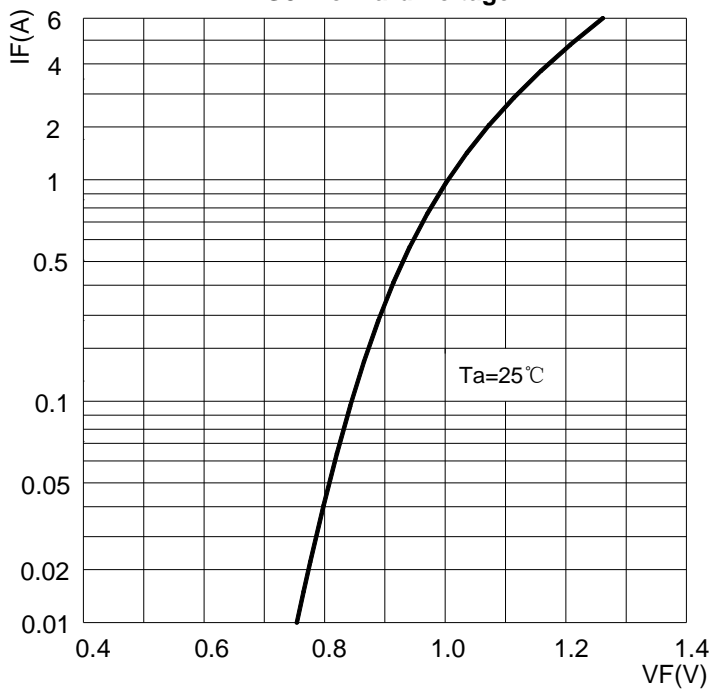


图4: 反向电流曲线
FIG4: Typical Reverse Characteristics

