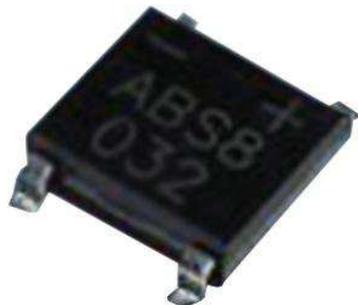


Surface Mount Glass Passivated Bridge Rectifier



Features:

- Rating to 1,000V PRV
- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Lead tin plated copper

Specifications:

Polarity : Symbol molded on body
Reverse Voltage : 50 to 1,000Volts
Forward Current : 0.8 Amperes
Mounting position : Any

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	Symbol	ABS05	ABS1	ABS2	ABS4	ABS6	ABS8	ABS10	Unit
Max. Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1,000	V
Max. RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	V
Max. DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1,000	V
Max. Average Forward Rectified Current (Note 1) @T _A = 40°C	I _(AV)	0.8							A
Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	I _{FSM}	30							A
Peak Forward Voltage at 0.8A DC	V _F	1.1							A ² s
Max. DC Reverse Current T _J = 25°C DC Blocking Voltage T _J = 100°C	I _R	5 500							μA mA
Typical Thermal Resistance (Note 2)	R _{θJA}	80							pF
Operating Temperature Range	T _J	-55 to +150							°C
Storage Temperature Range	T _{STG}	-55 to +150							°C

Note 1 : Mounted on P.C. board

Note 2 : Thermal resistance junction to ambient