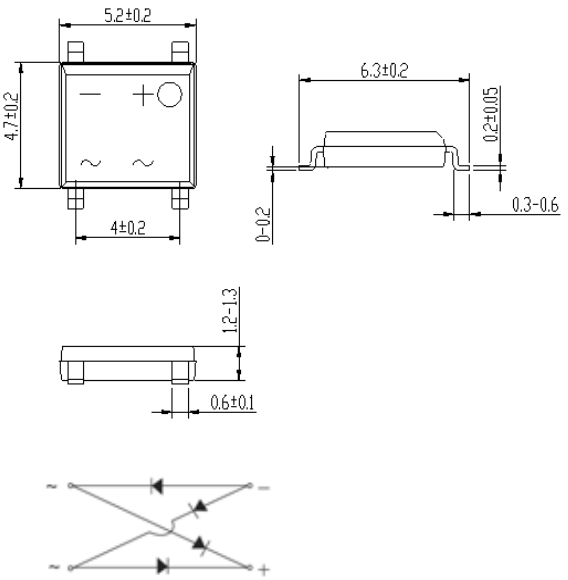
Surface Mount Schottky Bridge Rectifier
Reverse Voltage 60 Volts Forward Current 2.0 Ampere

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O. Flame Retardant Epoxy Molding Compound.
- Exceeds environmental standards of MIL-S-19500/228
- Low power loss, high efficiency.
- Low forwrd voltge, high current capability
- High surge capacity.
- Super fast recovery times, high voltage.
- Epitaxial chip construction.



MECHANICAL DATA

- Case: Micro Dip Molded plastic
- Terminals: Lead solderable per MIL-STD-750, Method 2026
- Polarity: As marked.
- Standard packaging: Any
- Weight: 0.090 grams.

ABSOLUTE MAXIMUM RATINGS (T_A=25℃ unless otherwise noted)

PARAMETER	SYMBOL	ABS26S	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	60	V
Maximum RMS Voltage	V_{RMS}	42	V
Maximum DC Blocking Voltage	V_R	60	V
Maximum Average Forward Current	I_O	2	A
Peak Forward Surge Current:8.3ms single half sine-wave superimposed on rated load(JEDEC method)	I_{FSM}	50	A
Typical Thermal Resistance, Junction to Ambient (Note 2) Junction to Case (Note 1)	$R_{\theta JA}$ $R_{\theta JL}$	70 19	°C/W
Operating Junction Temperature and Storage Temperature Range	T_J,T_{STG}	-55 to +150	°C

NOTES:

1.semi-infinite heatsink.

2.Minimum pad for each lead on board

ELECTRICAL CHARACTERISTICS (T_A=25℃ unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITIONS		MIN.	TYP.	MAX.	UNIT
Breakdown voltage	V_{BR}	I_R=150uA	T_A=25°C	60	-	-	V
Instantaneous forward voltage	V_F	I_F=0.5A I_F=1A I_F=2A	T_A=25°C	- - -	0.43 0.50 0.63	- - 0.7	V
		I_F=0.5A I_F=1A I_F=2A	T_A=125°C	- - -	0.34 0.45 0.57	- - -	V
Reverse current	I_R	V_R=48V	T_A=25°C	-	3	10	uA
		V_R=60V	T_A=25°C T_A=125°C	- -	- 7	30 -	uA mA
Junction capacitance	C_J	V_R=4V,f=1MHz		-	-	140	pF

RATINGS AND CHARACTERISTIC CURVES

(T_A = 25ºC unless otherwise noted)

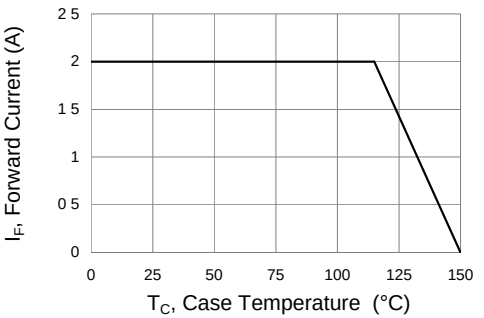


Fig.1 Forward Current Derating Curve

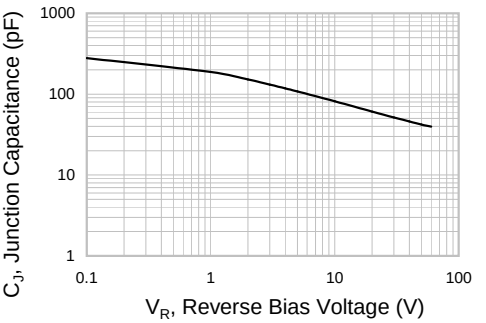


Fig.2 Typical Junction Capacitance