

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

REVERSE VOLTAGE - 70 to 100 Volts FORWARD CURRENT - 1.0 Ampere

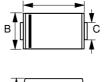
FEATURES

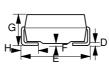
- For surface mounted applications
- Metal-Semiconductor junction with guardring
- Epitaxial construction
- Very Low forward voltage drop
- High current
- Qualified according to AEC-Q101 Rev_C
- For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications

MECHANICAL DATA

- Case : Molded plastic
- Case Material: Molding compound, UL Flammability classification 94V-0,"Halogen-free".
- Polarity: Indicated by cathode band
- Weight : 0.002 ounces, 0.066 grams (Approximate)

SMA





SMA						
DIM.	MIN.	MAX.				
Α	4.06	4.57				
В	2.29	2.92				
С	1.27	1.63				
D	0.15	0.31				
Е	4.83	5.59				
F	0.05	0.20				
G	2.01	2.40				
Н	0.76	1.52				
All Dime	nsions in r	nillimeter				

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.

CHARACTERISTICS		SYMBOL	B170	B180	B190	B1100	UNIT
Maximum Recurrent Peak Reverse Vo	oltage	VRRM	70	80	90	100	V
Maximum RMS Voltage		VRMS	49	56	63	70	V
Maximum DC Blocking Voltage		VDC	70	80	90	100	V
Maximum Average Forward Rectified Current	DTL =100°C	I(AV)	1.0				Α
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC	METHOD)	IFSM	30				Α
	@TJ =25°C PTJ =100°C	VF	0.79 0.69				٧
at Data J DO Dia dilan Valtana	@TJ =25°C PTJ =100°C	İR	0.02 5.0				
Typical Junction Capacitance (Note 1)		Cì		3	0		pF
Typical Thermal Resistance (Note 2, 3	3)	Rejl		2	0		°C/W
Operating Temperature Range		TJ		-55 to	+150		°C
Storage Temperature Range		Тѕтс	-55 to +150				°C

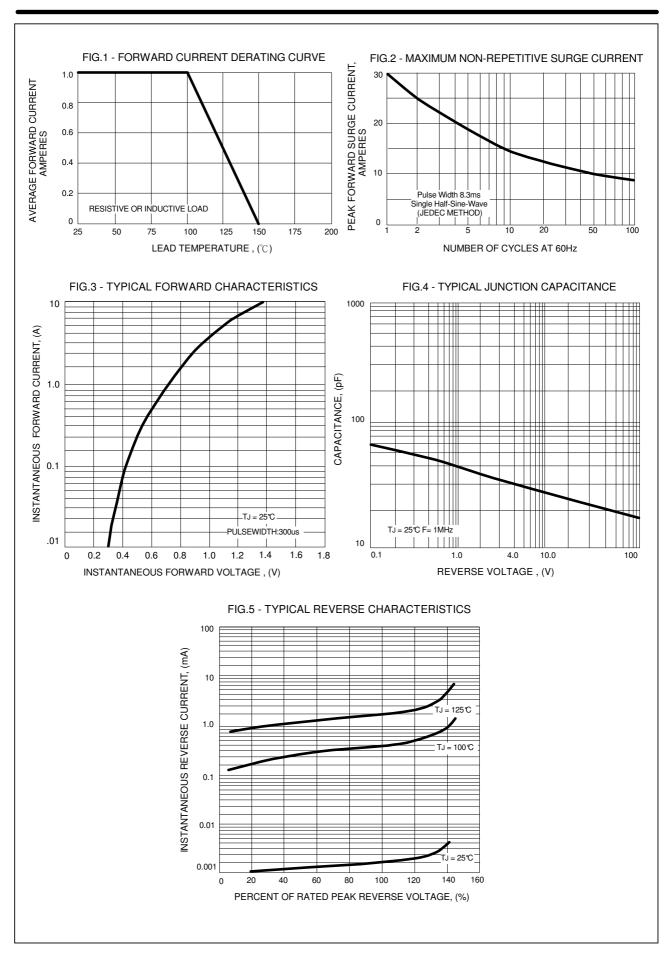
NOTES: 1. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

- 2. Thermal Resistance Junction to Lead.
- 3. Device mounted on glass-epoxy substrate with 1oz/ft²_7x5 mm copper pad.

REV.-11,Sep-2019, KSHA02

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