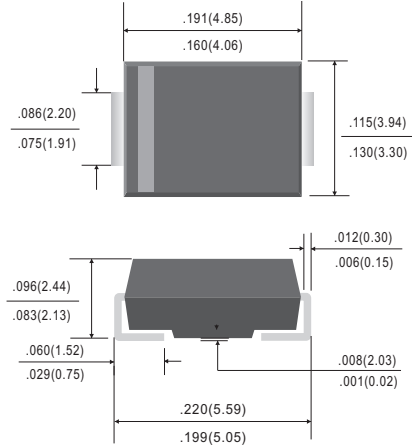


2.0A SCHOTTKY BARRIER RECTIFIERS -20V- 200V

SMB PACKAGE

FEATURES

- * Ideal for surface mounted applications
- * Low switching noise
- * Low forward voltage drop
- * High current capability
- * High switching capability
- * High reliability
- * High surge capability
- * RoHS product for packing code suffix "G",
Halogen free product for packing code suffix "H".



Dimensions in inches and (millimeters)

MECHANICAL DATA

Case: Molded plastic, DO-214AA(SMB)
 Epoxy: UL 94V-O rate flame retardant
 Lead: MIL-STD-202E method 208C guaranteed
 Mounting position: Any
 Weight: Approximated 0.104 gram

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%

RATINGS	SYMBOL	SK22B	SK23B	SK24B	SK25B	SK26B	SK28B	SK210B	SK215B	SK220B	UNIT	
Marking Code		SK22B	SK23B	SK24B	SK25B	SK26B	SK28B	SK210B	SK215B	SK220B		
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	30	40	50	60	80	100	150	200	Volts	
Maximum RMS Voltage	V _{RMS}	14	21	28	35	42	56	70	105	140	Volts	
Maximum DC Blocking Voltage	V _{DC}	20	30	40	50	60	80	100	150	200	Volts	
Maximum Average Forward Rectified Current	I _O	2.0									Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	50.0									Amps	
Typical Thermal Resistance (Note 2)	R _{θJA} /R _{θJC}	90/50									°C/W	
Typical Junction Capacitance (Note 1)	C _J	150			120			100			pF	
Operating Temperature Range	T _J	-55 to +125					-55 to +150					°C
Storage Temperature Range	T _{STG}	-55 to +150									°C	

CHARACTERISTICS	SYMBOL	SK22B	SK23B	SK24B	SK25B	SK26B	SK28B	SK210B	SK215B	SK220B	UNIT	
Maximum Forward Voltage at 2.0A DC	V _F	0.50			0.75		0.85		0.87		0.90	Volts
Maximum Average Reverse Current at	I _R	0.5									mAmps	
Rated DC Blocking Voltage		20										

NOTES:

1- Measured at 1 MHz and applied reverse voltage of 4.0 VDC.

2- Thermal Resistance From Junction to Ambient/CASE.



2.0A SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS -20V- 200V SMB PACKAGE

RATING AND CHARACTERISTIC CURVES

FIG. 1-TYPICAL FORWARD CURRENT DERATING CURVE

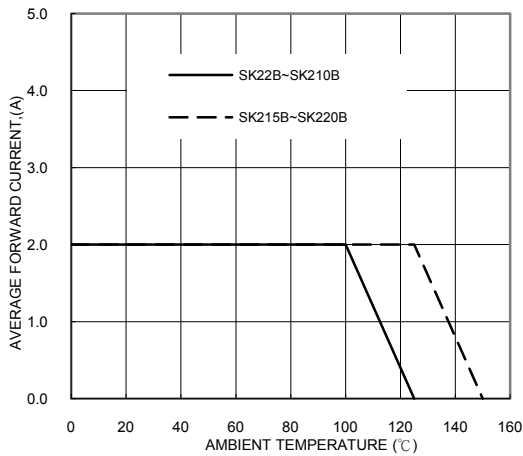


FIG. 2-TYPICAL FORWARD CHARACTERISTICS

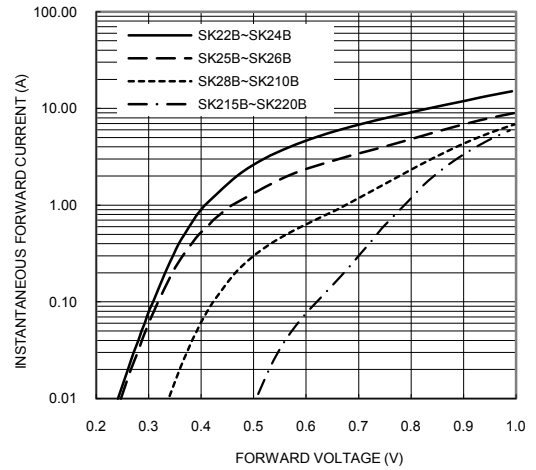


FIG. 3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

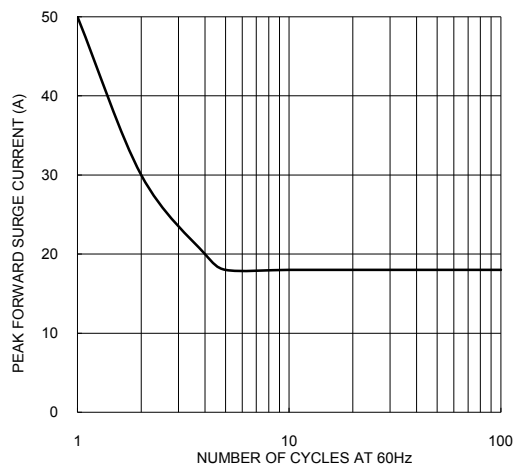


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

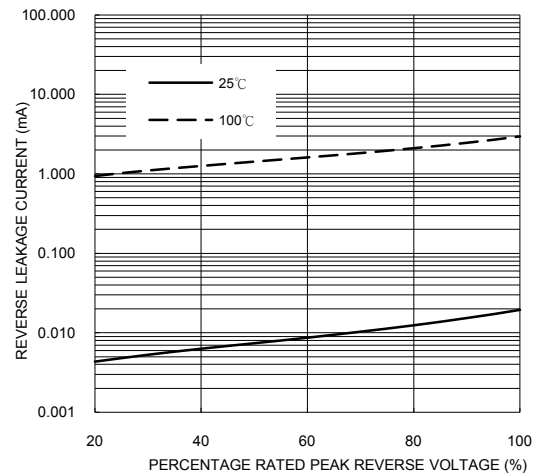


FIG. 5-TYPICAL JUNCTION CAPACITANCE

