

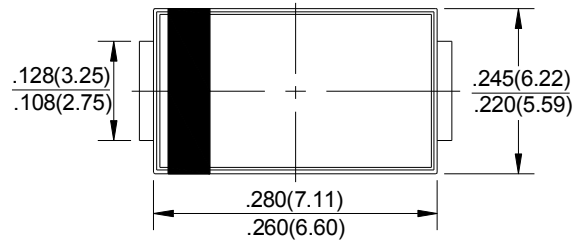
CURRENT 6.0 Ampere
 VOLTAGE RANG 20 to 100 Volts

SS62C THRU SS610C

Features

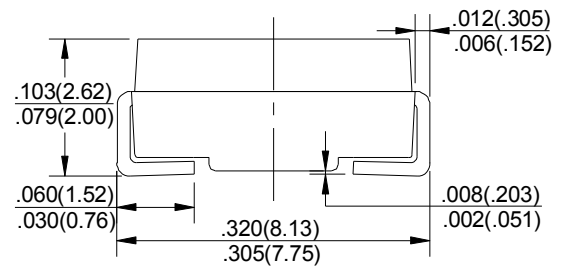
- Schottky Barrier Chip
- Ideally Suited for Automatic Assembly
- Low Power Loss, High Efficiency
- For Use in Low Voltage Application
- Guard Ring Die Construction
- Plastic Case Material has UL Flammability Classification Rating 94V-O

DO-214AB/SMC



Mechanical Data

- Case: SMC/DO-214AB, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.21 grams (approx.)



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

T_A = 25°C unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	SS62	SS63	SS64	SS65	SS66	SS68	SS69	SS610	Unit
Peak Repetitive Reverse Voltage	V _{RRM}									
Working Peak Reverse Voltage	V _{RWM}	20	30	40	50	60	80	90	100	V
DC Blocking Voltage	V _R									
RMS Reverse Voltage	V _{R(RMS)}	14	21	28	35	42	56	64	71	V
Average Rectified Output Current @T _L = 90°C	I _O	6.0								A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	150								A
Forward Voltage @I _F = 6.0A	V _F	0.55			0.70		0.85			V
Peak Reverse Current @T _A = 25°C	I _{RM}	1.0								mA
Typical Thermal Resistance (Note 1)	R _{θJL} R _{θJA}	17 55								°C/W
Operating Temperature Range	T _J	-65 to +125								°C
Storage Temperature Range	T _{STG}	-65 to +150								°C
Typical Junction capacitance(NOTE1)	C _J	300								PF

Note: 1. Mounted on P.C. Board with 14mm² copper pad area.

2.Measured at 1.0 MHZ and applied reverse voltage of 4.0 v

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RATING AND CHARACTERISTIC CURVES SS62 Thru SS610

FIG. 1 - FORWARD CURRENT DERATING CURVE

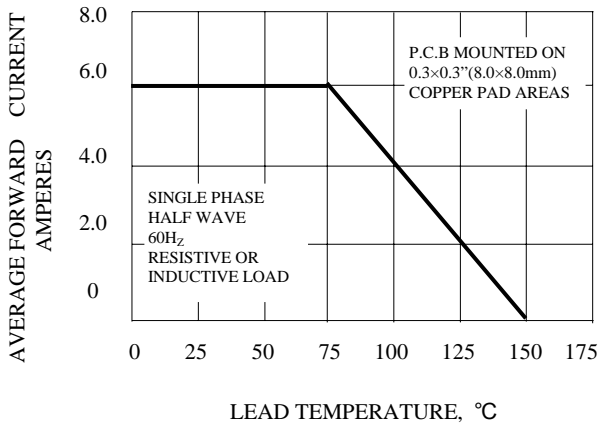


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

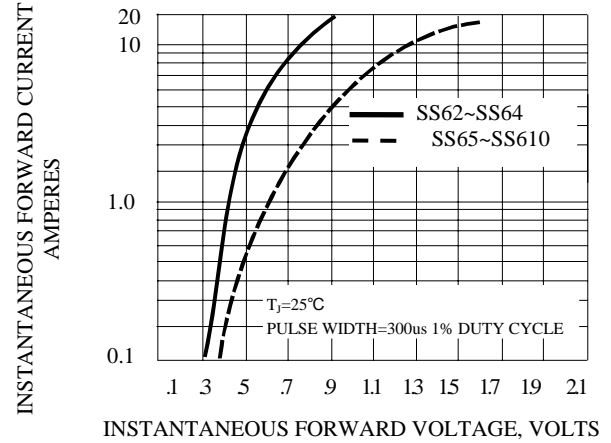


FIG. 3A - TYPICAL REVERSE CHARACTERISTICS

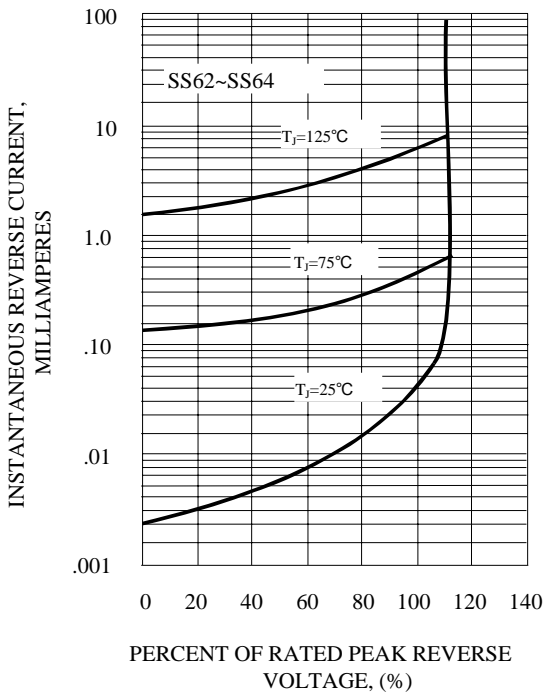


FIG. 3B - TYPICAL REVERSE CHARACTERISTICS

