

CURRENT 6.0 Ampere
VOLTAGE RANG 20 to 100 Volts

SK62C THRU SK610C

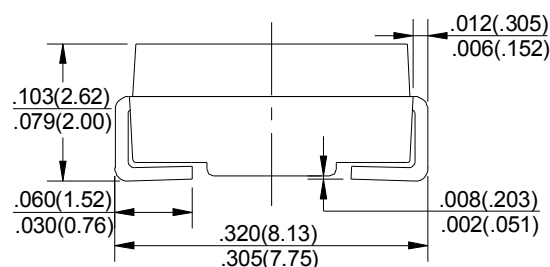
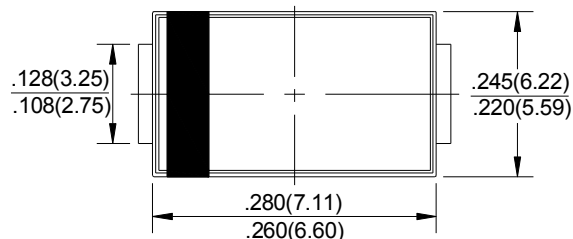
Features

- 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

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.)

DO-214AB/SMC



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

$T_A = 25^\circ\text{C}$ unless otherwise specified

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

Characteristic	Symbol	SK62	SK63	SK64	SK65	SK66	SK68	SK69	SK610	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	20	30	40	50	60	80	90	100	V
RMS Reverse Voltage	VR(RMS)	14	21	28	35	42	56	64	71	V
Average Rectified Output Current @T _L = 90°C	Io	6.0								A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	150								A
Forward Voltage @IF = 6.0A	FM	0.55			0.70		0.85			V
Peak Reverse Current @TA = 25°C	IRM	1.0								mA
Typical Thermal Resistance (Note 1)	RθJL RθJA	17 55								°C/W
Operating Temperature Range	Tj	-65 to +125								°C
Storage Temperature Range	TSTG	-65 to +150								°C
Typical Junction capacitance(NOTE1)	CJ	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

CURRENT 6.0 Ampere
VOLTAGE RANG 20 to 100 Volts

SK62C THRU SK610C

RATING AND CHARACTERISTIC CURVES SK62 Thru SK610

FIG. 1 - FORWARD CURRENT DERATING CURVE

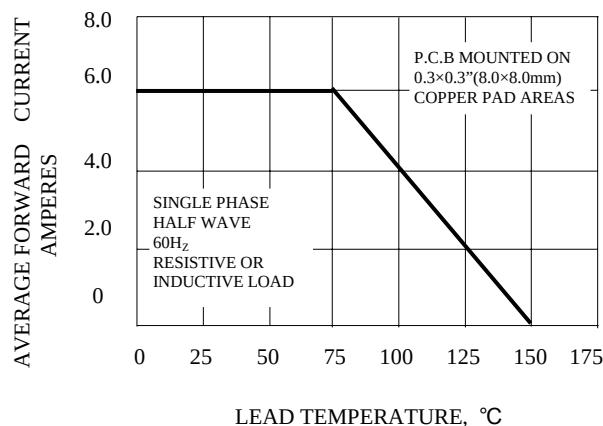


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

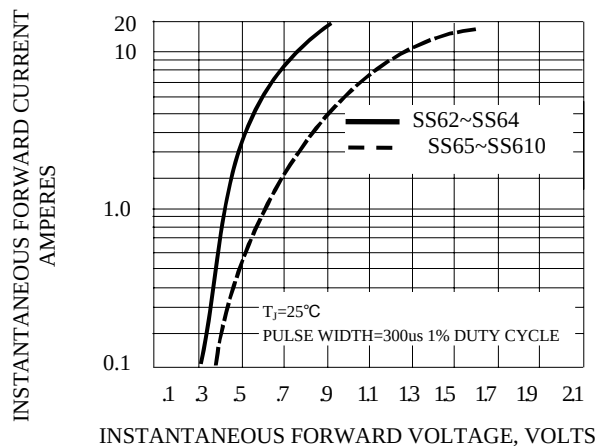


FIG. 3A - TYPICAL REVERSE CHARACTERISTICS

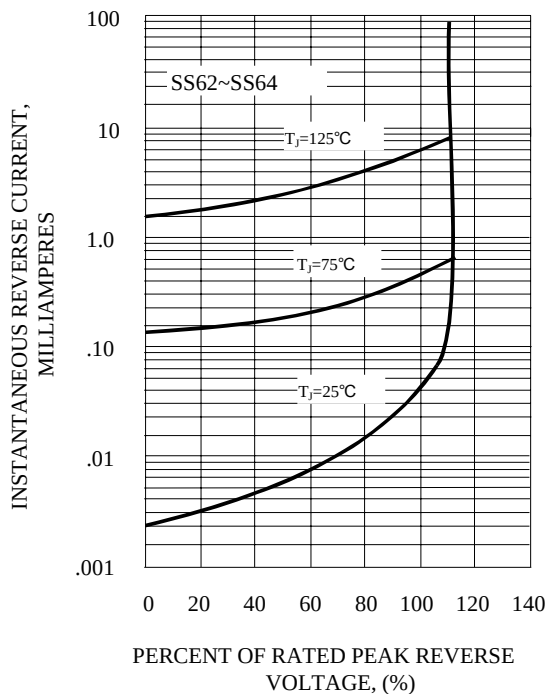


FIG. 3B - TYPICAL REVERSE CHARACTERISTICS

