

Features

- * Ideal for surface mount applications
- * Easy pick and place
- * Built-in strain relief
- * Low forward voltage drop



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)		
SK104C- SK1020C	SMC	SS10 *	3000		





SMC

Maxmim Ratings (Ta=25 unless otherwise noted)

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

TYPE NUMBER		SK104C	SK1045C	SK106C	SK1010C	SK1015C	SK1020C	UNITS
Maximum Recurrent Peak Reverse Voltage		40	45	60	100	150	200	V
Maximum RMS Voltage		28	32	42	70	105	140	V
Maximum DC Blocking Voltage		40	45	60	100	150	200	V
Maximum Average Forward Rectified Current								
See Fig. 1		10.0						
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)		175						
Maximum Instantaneous Forward Voltage at 10.0A		0.	0.55		0.85	0.92		V
Maximum DC Reverse Current	Ta=25°C		0.1		0.02		mA	
at Rated DC Blocking Voltage	Ta=125°C	5			2			mA
Typical Junction Capacitance (Note1)		440						pF
Typical Thermal Resistance R JA (Note 2)		60						°C/W
Operating Temperature Range T _J		55 to +150 -						°C
Storage Temperature Range Tsrc		55 to +150 -						°C

Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.27" x 0.27" (7.0 mm x 7.0 mm) copper pad areas



Typical Characteristics

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

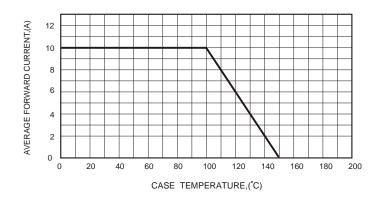


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

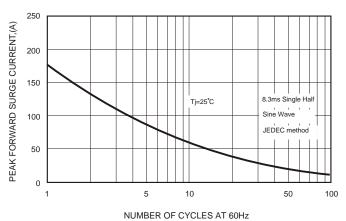


FIG.4-TYPICAL JUNCTION CAPACITANCE

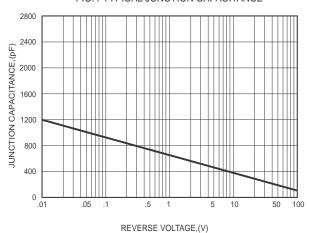


FIG.2-TYPICAL FORWARD

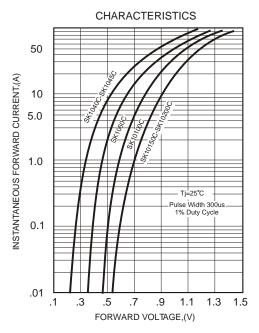
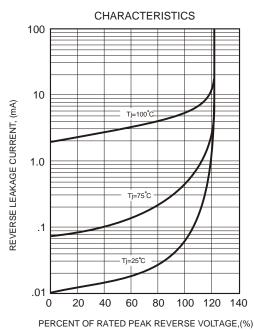
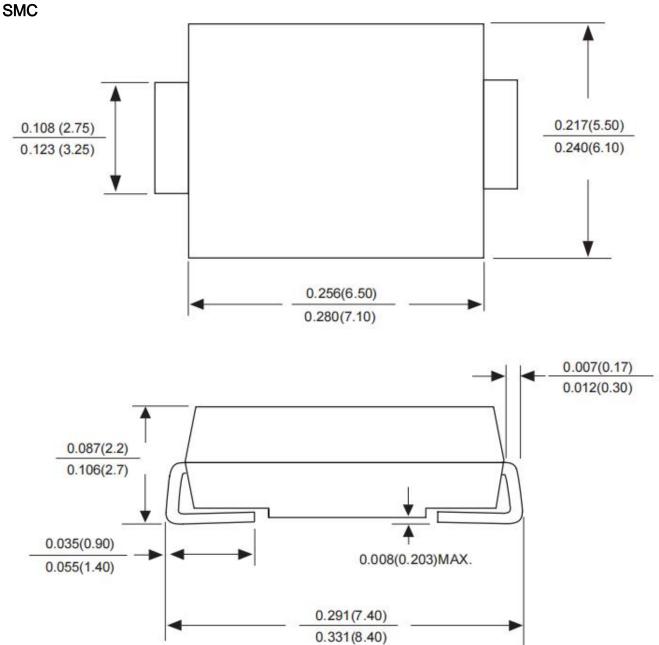


FIG.5 - TYPICAL REVERSE





Package Outline Dimensions



Dimensions in inches and (millimeters)



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