

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

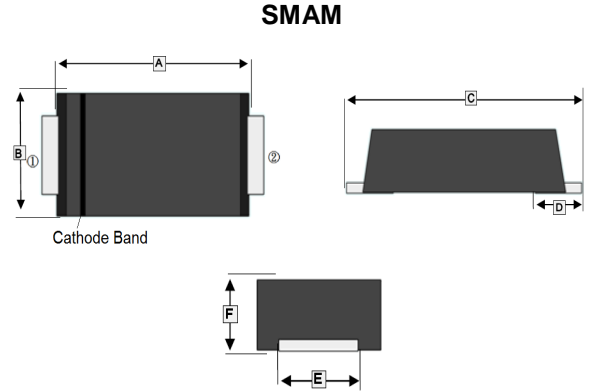
- Metal silicon junction, majority carrier conduction
- For surface mounted applications
- Low power loss, high efficiency
- High forward surge current capability
- For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications

MECHANICAL DATA

- Case Material: SMAM
- Terminals: Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band

MARKING

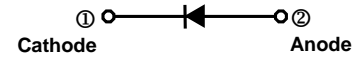
Part Number	Marking Code
SK240AM-C	SSL24
SK260AM-C	SSL26



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	3.20	3.70	D	1.00 TYP.	
B	2.40	2.80	E	1.30	1.60
C	4.40	4.90	F	0.90	1.25

PACKAGE INFORMATION

Package	MPQ	Leader Size
SMAM	3K	7 inch



ORDER INFORMATION

Part Number	Type
SK240AM-C~SK260AM-C	Lead (Pb)-free and Halogen-free

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(Rating 25°C ambient temperature unless otherwise specified. Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, de-rate current by 20%.)

Parameter	Symbol	Part Number		Unit	
		SK240AM-C	SK260AM-C		
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	40	60	V	
Maximum RMS Voltage	V_{RMS}	28	42		
Maximum DC Blocking Voltage	V_{DC}	40	60		
Maximum Average Forward Rectified Current	I_F	2		A	
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	50		A	
Maximum Instantaneous Forward Voltage @2A	V_F	0.45	0.52	V	
Maximum DC Reverse Current @ Rated DC Blocking Voltage	I_R	$T_A=25^\circ C$	0.5	0.3	mA
		$T_A=100^\circ C$	10	5	
Typical Junction Capacitance ¹	C_J	290	130	pF	
Typical Thermal Resistance ²	$R_{\theta JA}$	70		°C/W	
Operating Junction & Storage Temperature Range	T_J, T_{STG}	-55~150		°C	

Notes:

1. Measured at 1 MHz and applied reverse voltage of 4V D.C.
2. P.C.B. mounted with 2.0" X 2.0" (5 X 5cm) copper pad areas.

RATINGS AND CHARACTERISTIC CURVES

Fig.1 Forward Current Derating Curve

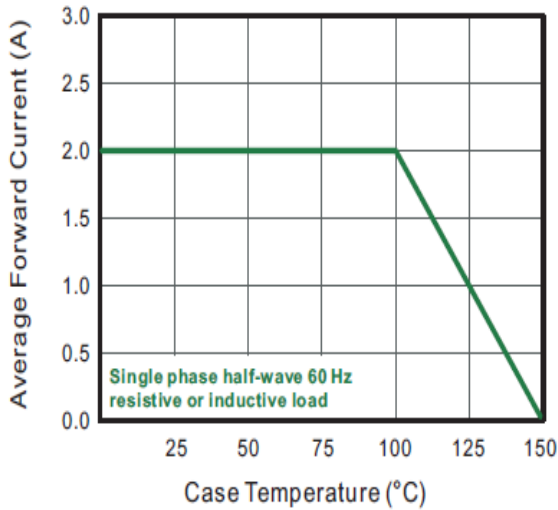


Fig.2 Typical Reverse Characteristics

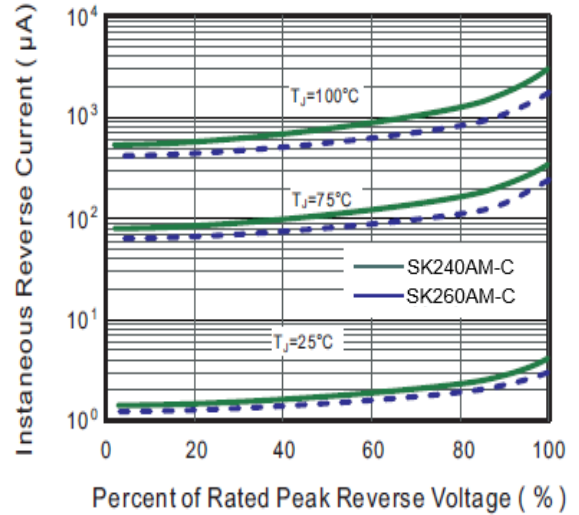


Fig.3 Typical Forward Characteristic

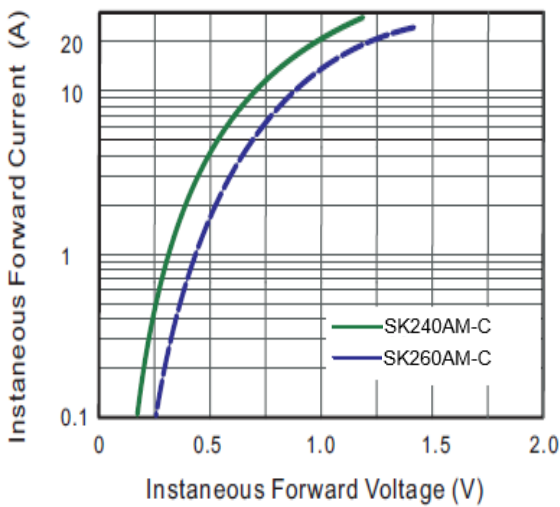


Fig.4 Typical Junction Capacitance

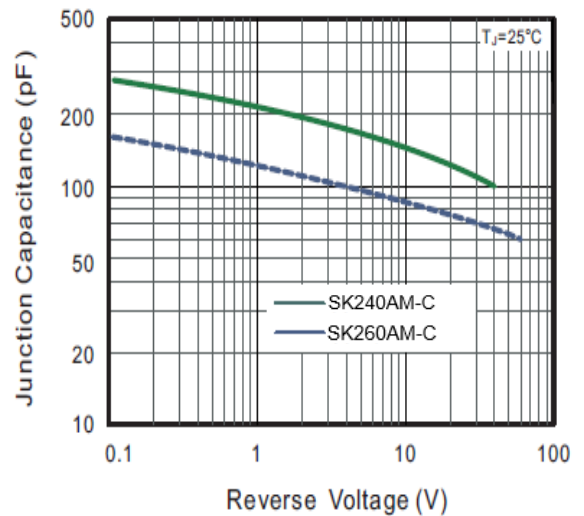


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

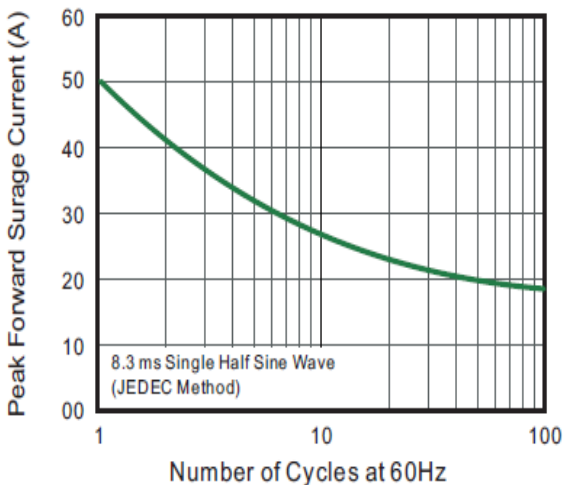


Fig.6- Typical Transient Thermal Impedance

