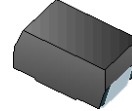


RoHS Compliant Product  
A suffix of "-C" specifies halogen & lead-free

### FEATURES

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

**SMA**



### MECHANICAL DATA

- Case: Molded Plastic
- Epoxy: UL 94V-0 Rate Flame Retardant
- Metallurgically bonded construction
- Polarity: Color Band Denotes Cathode End
- Mounting Position: Any

### PACKAGE INFORMATION

Package	MPQ	Leader Size
SMA	5K	13 inch

### ORDER INFORMATION

Part Number	Type
SK34LL-C	Lead (Pb)-free and Halogen-free

Cathode  Anode

### 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%.)

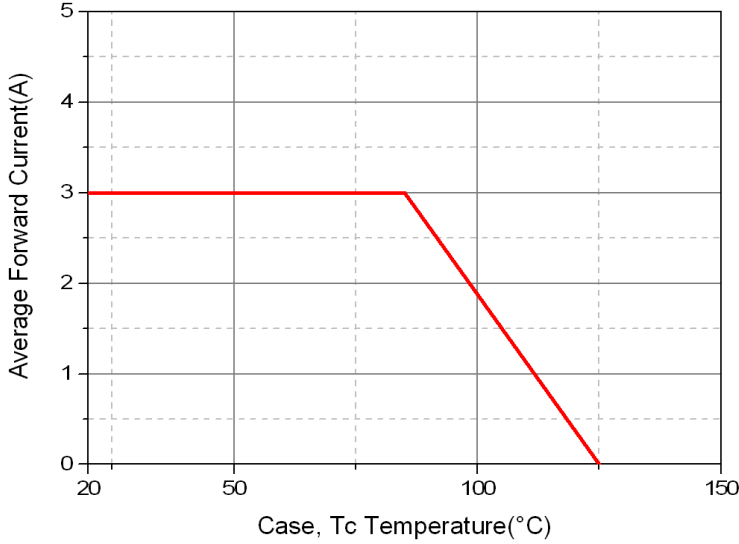
Parameter	Symbol	Ratings	Unit
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	40	V
Working Peak Reverse Voltage	$V_{RWM}$	40	V
Maximum DC Blocking Voltage	$V_R$	40	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	3	A
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	$I_{FSM}$	90	A
Maximum Instantaneous Forward Voltage @ $I_F=3A$	$V_F$	0.4	V
Maximum DC Reverse Current @ Rated DC Blocking Voltage	$T_A=25^\circ C$	1.5	mA
	$T_A=80^\circ C$	60	
Typical Thermal Resistance	$R_{\theta JL}$	30	°C/W
	$R_{\theta JC}$	35	
Typical Total Capacitance (CT) <sup>1</sup>	$C_T$	230	pF
Operating Temperature Range	$T_J$	-25~125	°C
Storage Temperature	$T_{STG}$	-25~125	°C

Note:

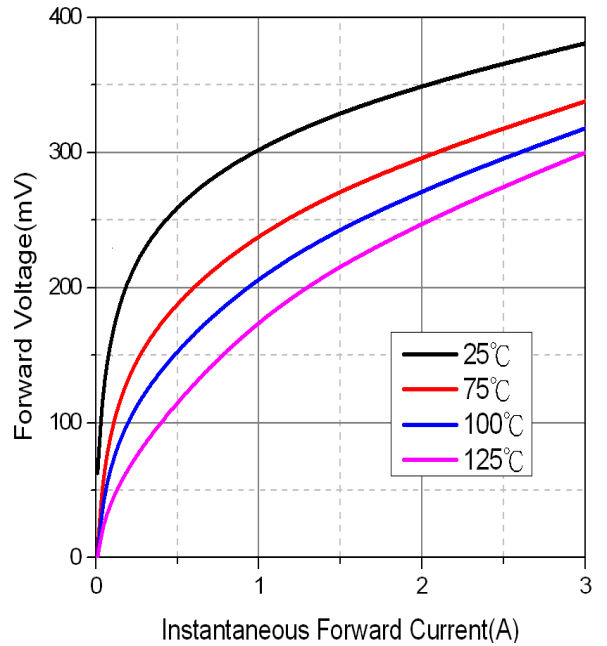
1. Measured at 1MHz and applied reverse voltage of 4V D.C.

**RATINGS AND CHARACTERISTIC CURVES**

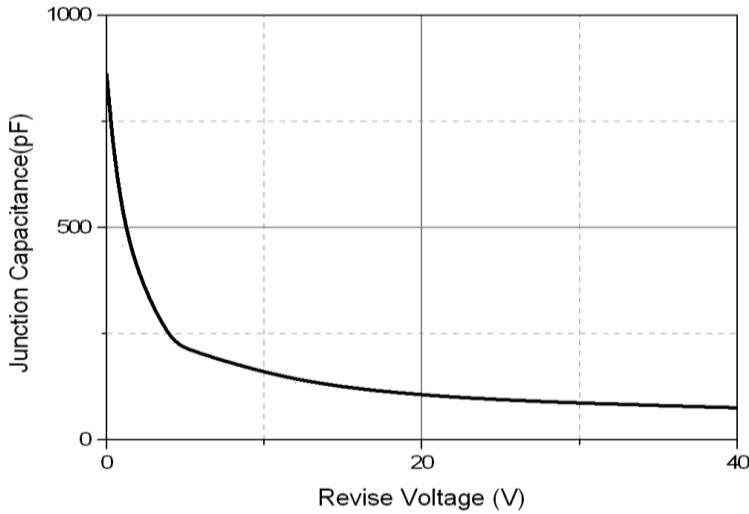
Typical Forward Current Derating Curve



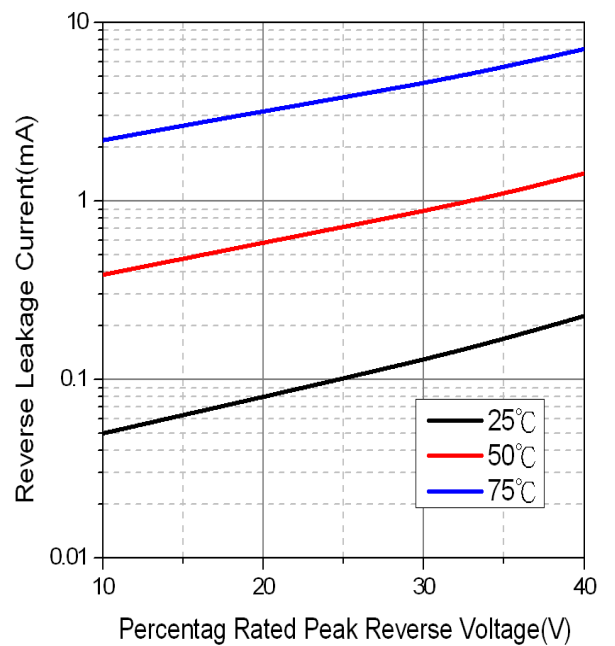
Typical Forward Characteristics



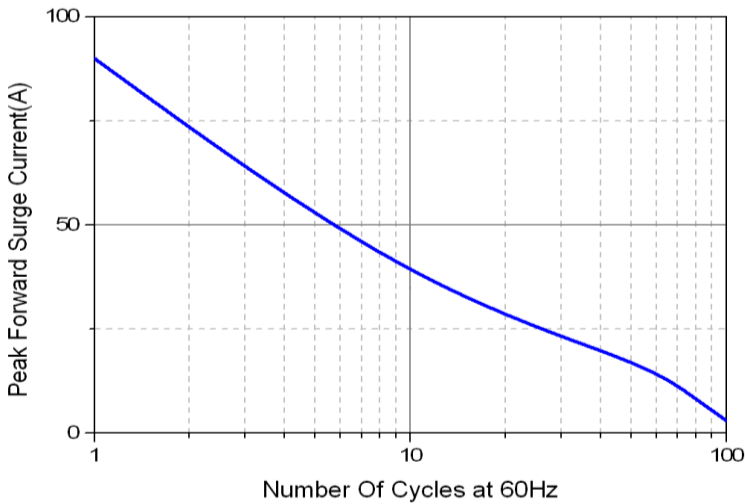
Typical Junction Capacitance (pF)



Typical Reverse Characteristics

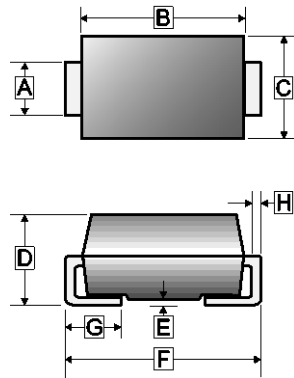


Maximum Non-Repetitive Forward Surge Current



**PACKAGE OUTLINE DIMENSIONS**

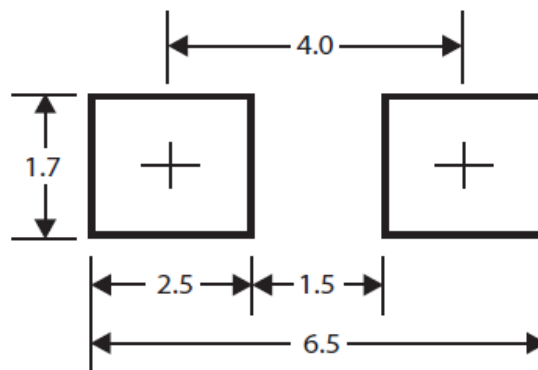
**SMA**



REF.	Millimeter	
	Min.	Max.
A	1.23	1.65
B	3.99	4.75
C	2.30	2.90
D	1.90	2.62
E	-	0.30
F	4.70	5.28
G	0.75	1.52
H	0.15	0.31

**MOUNTING PAD LAYOUT**

**SMA**



\*Dimensions in millimeters