

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

FEATURES

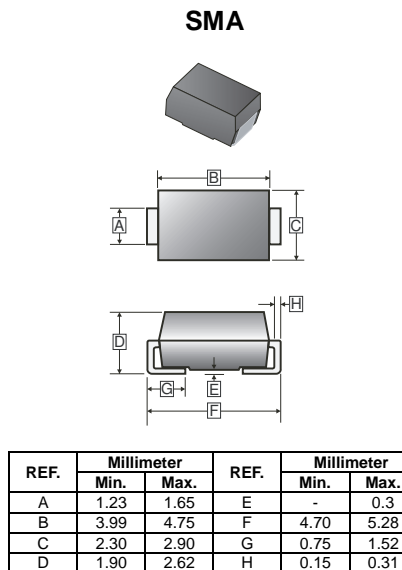
- Ideal for surface mount applications
- Easy pick and place
- Built-in strain relief
- Low forward voltage drop

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

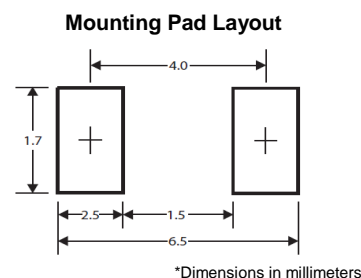
Package	MPQ	Leader Size
SMA	5K	13 inch



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%.)

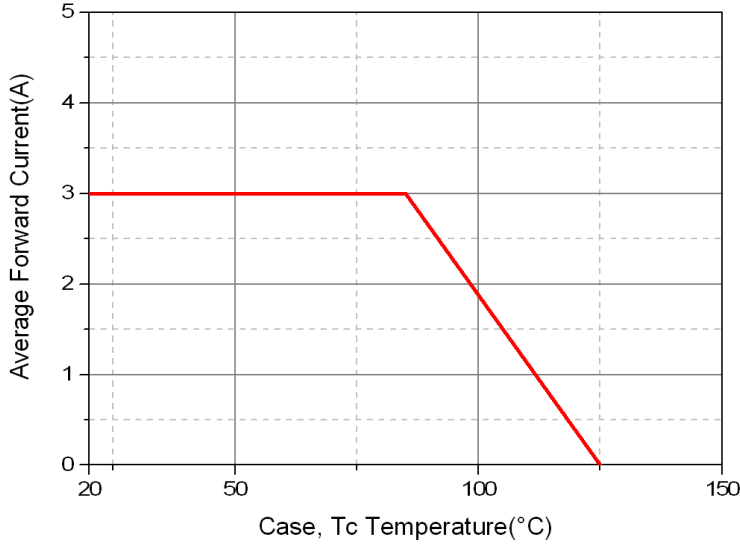
Parameter	Symbol	Ratings	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	40	V
Working Peak Reverse Voltage	V_{RWM}	40	V
Maximum DC Blocking Voltage	V_R	40	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	3	A
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load (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) ¹	C_T	230	pF
Operating Temperature Range	T_J	-25~125	°C
Storage Temperature	T_{STG}	-25~125	°C

Note:

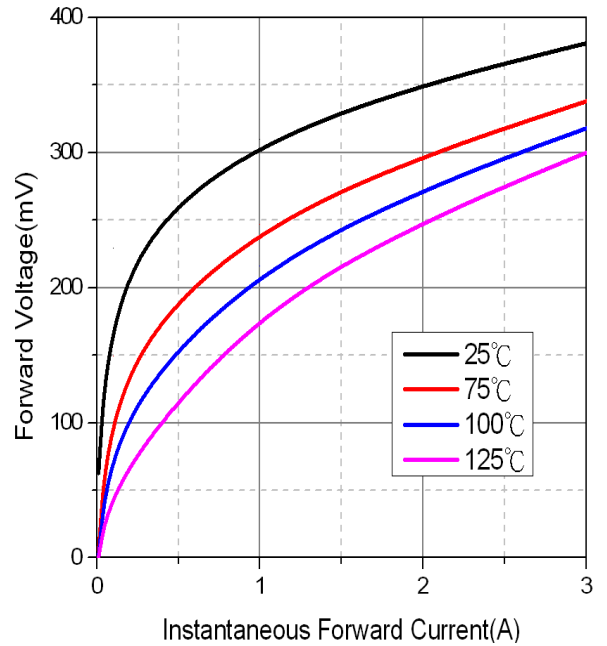
1. Measured at 1MHz and applied reverse voltage of 4V D.C.

RATINGS AND CHARACTERISTIC CURVES

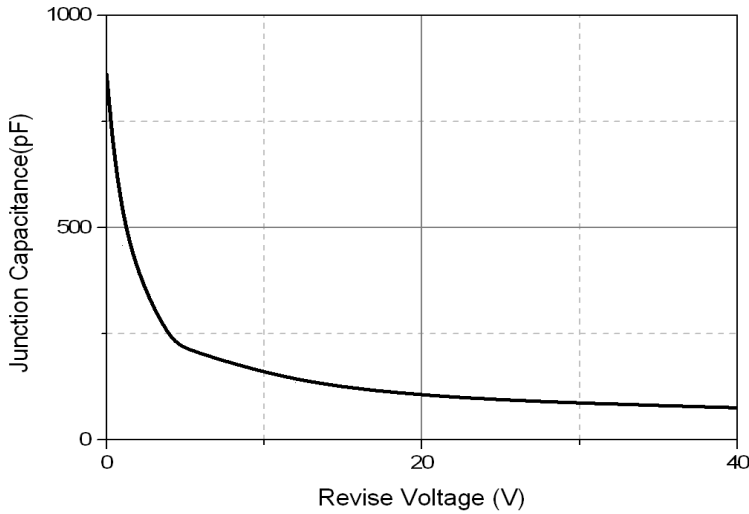
Typical Forward Current Derating Curve



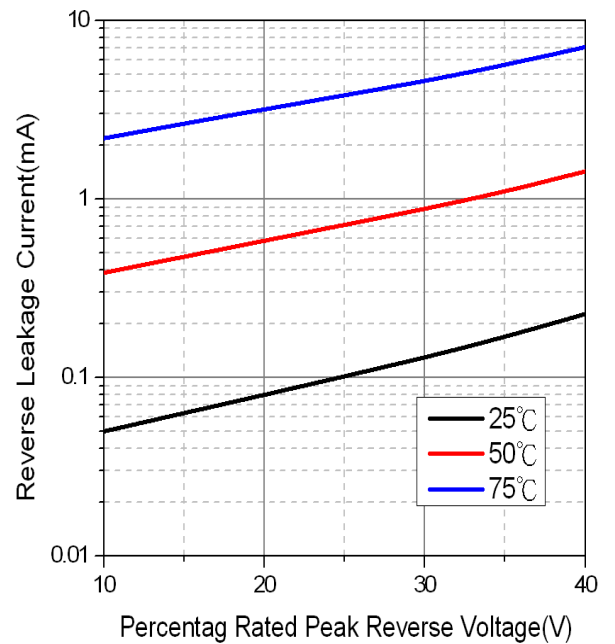
Typical Forward Characteristics



Typical Junction Capacitance (pF)



Typical Reverse Characteristics



Maximum Non-Repetitive Forward Surge Current

