

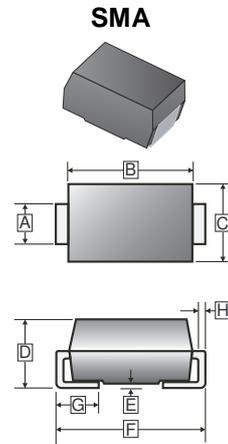
RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Low forward voltage drop
- High current capability
- High surge current capability
- High surge current capability
- Epitaxial construction

MECHANICAL DATA

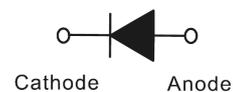
- Case: Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Lead solderable per MIL-STD-202, method 208 guaranteed
- Polarity: As Marked
- Mounting position: Any
- Weight: 0.093 grams(Approximately)



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	1.24	1.65	E	-	0.203
B	3.99	4.75	F	4.80	5.28
C	2.40	2.90	G	0.76	1.52
D	1.90	2.44	H	0.15	0.31

PACKAGE INFORMATION

Package	MPQ	Leader Size
SMA	5K	13 inch



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

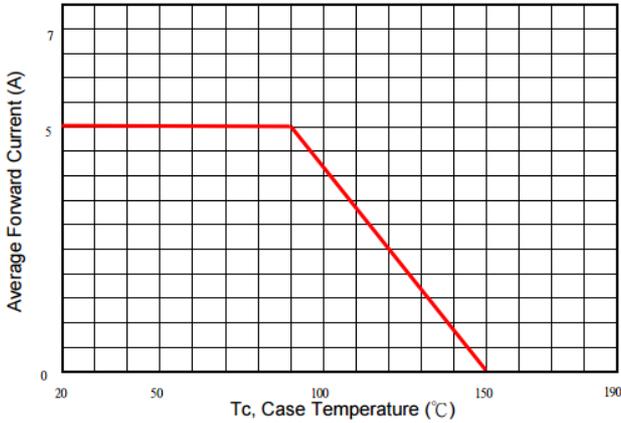
Parameter	Symbol	Rating	Units
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	60	V
Working Peak Reverse Voltage	V _{RWM}	60	V
Maximum DC blocking voltage	V _{DC}	60	V
Maximum Average Forward Rectified Current ,See Fig.1	I _F	5	A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	125	A
Maximum Instantaneous Forward Voltage @ I _F =5A, T _A =25°C	V _F	0.65	V
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	T _A =25°C	0.2
		T _A =100°C	8
Typical Junction Capacitance ¹	C _J	350	pF
Typical Thermal Resistance from Junction to Lead ²	R _{θJL}	28	°C/W
Typical Thermal Resistance from Junction to Ambient ²	R _{θJA}	118	
Operating & Storage Temperature Range	T _J , T _{STG}	-50~150, -65~175	°C

Notes:

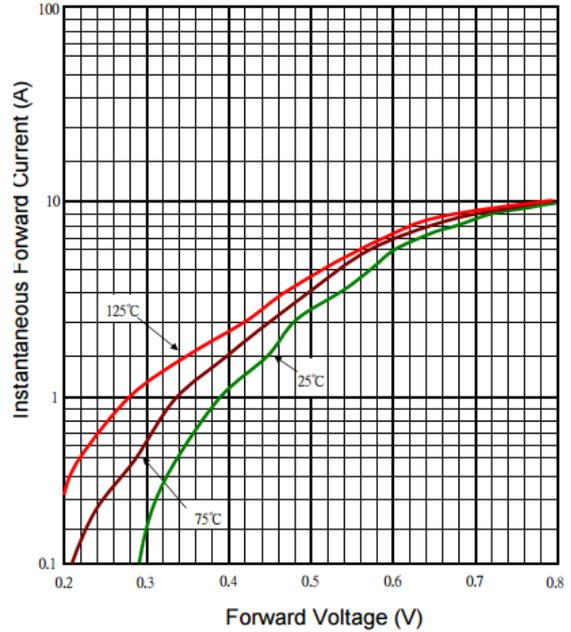
1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
2. Aluminum substrate mounted.

RATINGS AND CHARACTERISTIC CURVES

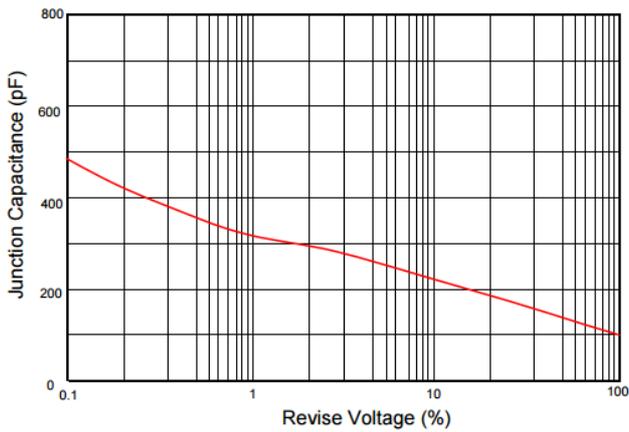
Typical Forward Current Derating Curve



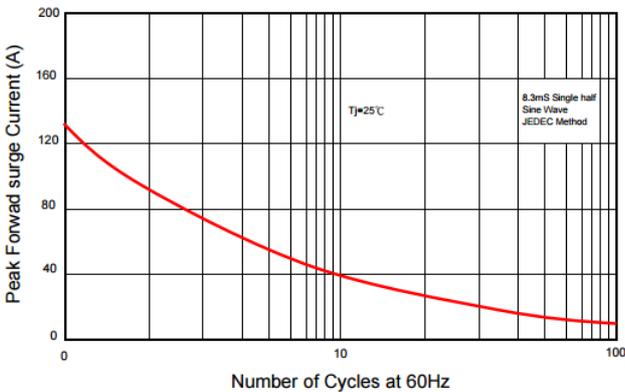
Typical Forward Characteristic



Typical Junction Capacitance



Maximum Non- Repetitive Forward Surge Current



Typical Reverse Characteristic

