

FEATURES

- Average Forward Current: $I_{F(AV)}=3A$
- Polarity: Color band denotes cathode



SMA

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SK32-SK310	SMA	SK3✱	2000



✱:From 2-10

MAXIMUM RATINGS (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Test Conditions	SK3							
				2	3	4	5	6	8	9	10
Repetitive Peak Reverse Voltage	V _{RRM}	V		20	30	40	50	60	80	90	100
Maximum RMS Voltage	V _{RMS}	V		14	21	28	35	42	56	63	70
Average Forward Current	I _{F(AV)}	A	60Hz Half-sine wave, Resistance load, FIG.1	3.0							
Surge(Non-repetitive)Forward Current	I _{FSM}	A	60Hz Half-sine wave, 1 cycle, Ta=25℃	80							
Junction Temperature	T _J	℃		-55~+125			-55~+150				
Storage Temperature	T _{STG}	℃		-55 ~ +150							

ELECTRICAL CHARACTERISTICS (Ta=25 unless otherwise specified)

Item	Symbol	Unit	Test Condition	SK3						
				2	3	4	5	6	8	9
Peak Forward Voltage	V _F	V	I _F =3.0A		0.55		0.70		0.85	
Peak Reverse Current	I _{RRM1}	mA	V _{RM} =V _{RRM}	T _a =25℃		0.1			0.02	
			T _a =100℃		5			2.0		
Thermal Resistance(Typical)	R _{θJ-A}	℃/W	Between junction and ambient		75					
	R _{θJ-L}		Between junction and terminal		17					

Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas

Typical Characteristics

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

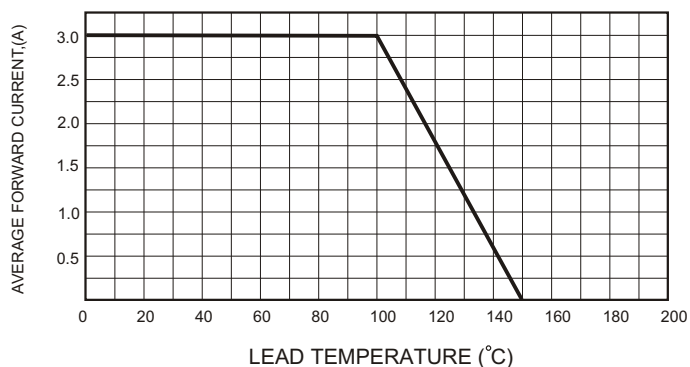


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

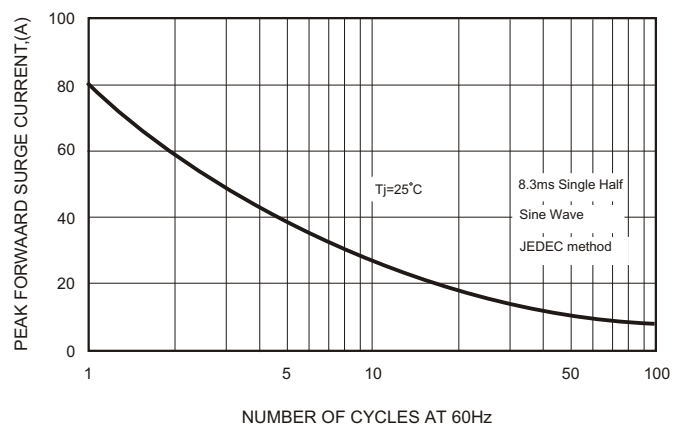


FIG.4-TYPICAL JUNCTION CAPACITANCE

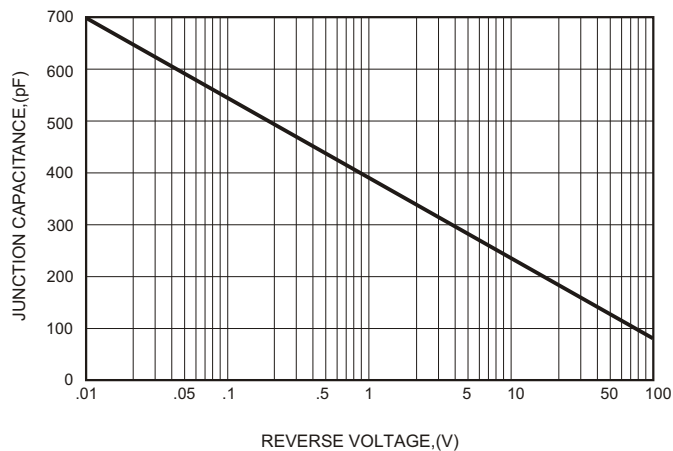


FIG.2-TYPICAL FORWARD CHARACTERISTICS

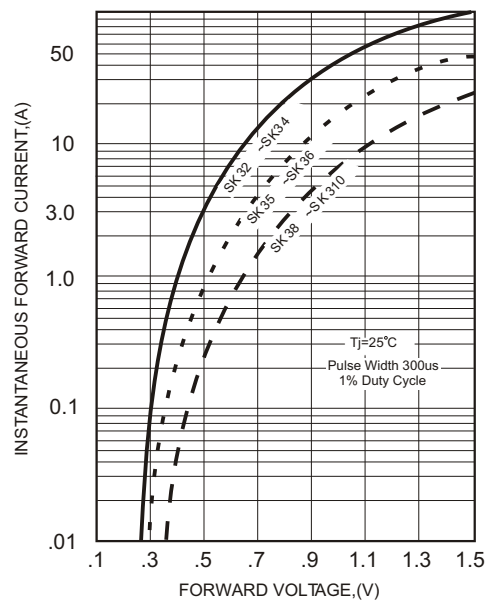
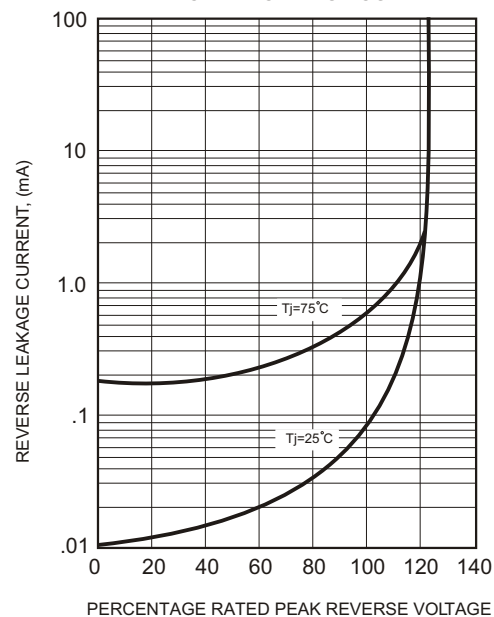
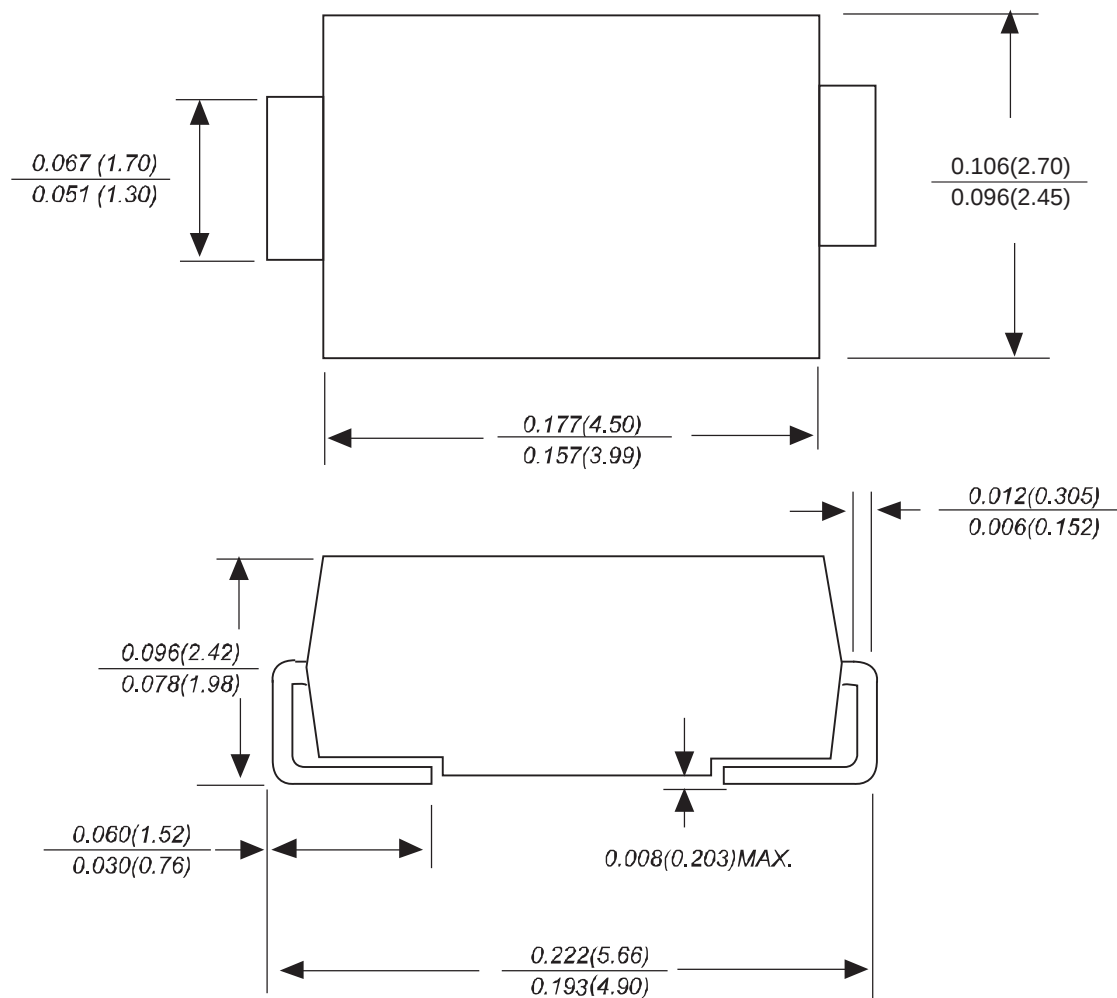


FIG.5 - TYPICAL REVERSE CHARACTERISTICS



SMA Package Outline Dimensions



Dimensions in inches and (millimeters)