



Features

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

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SK32-SK310	SMA (DO-214AC)	SK3x	2000

x: From 2-10



SMA
(DO-214AC)



Maxmim 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							

Electrcal Charcteristics (Ta=25 unless otherwise specified)

Item	Symbol	Unit	Test Condition	SK3							
				2	3	4	5	6	8	9	10
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

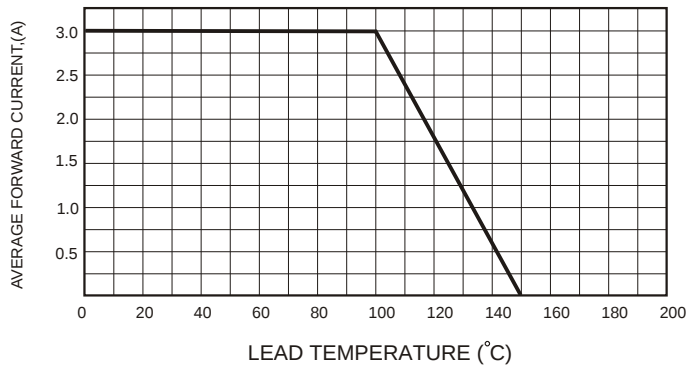


FIG.2-TYPICAL FORWARD CHARACTERISTICS

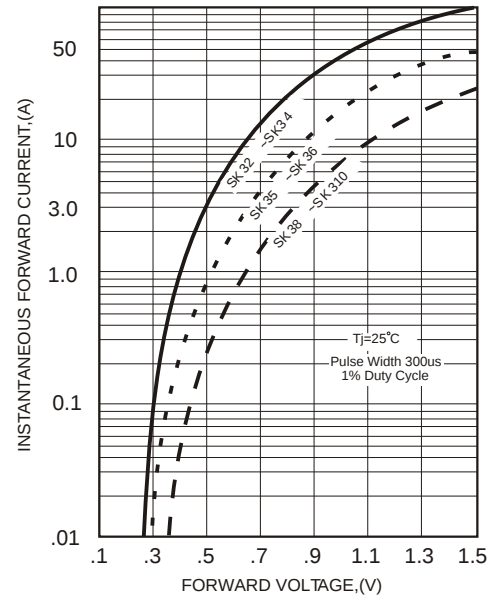


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

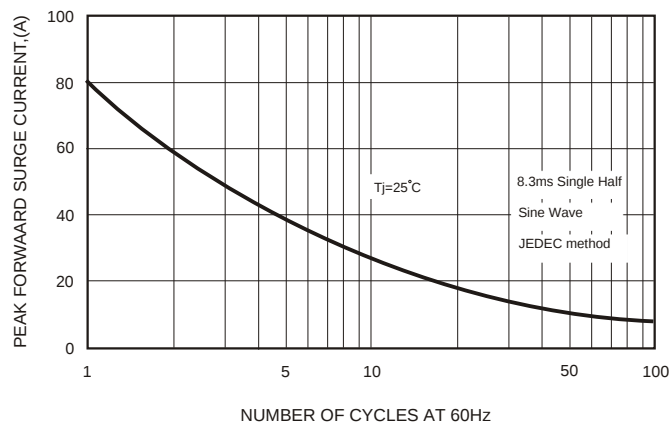


FIG.4-TYPICAL JUNCTION CAPACITANCE

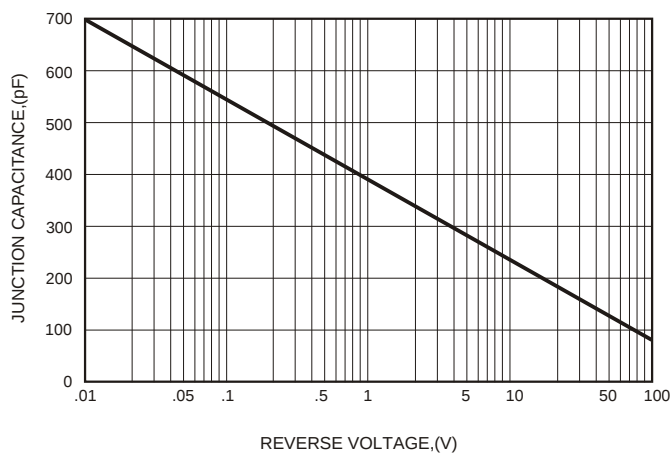
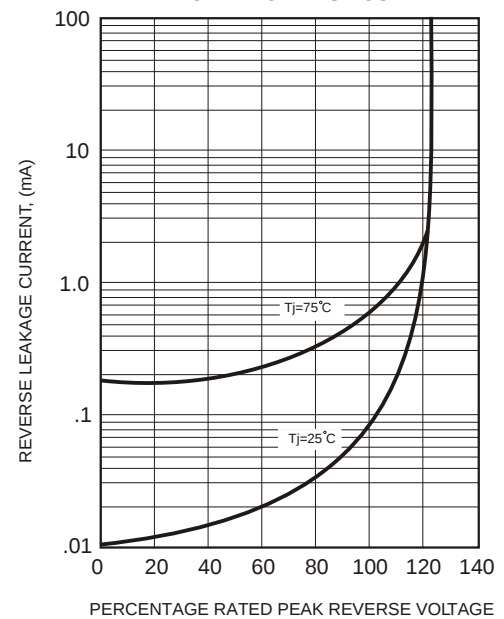


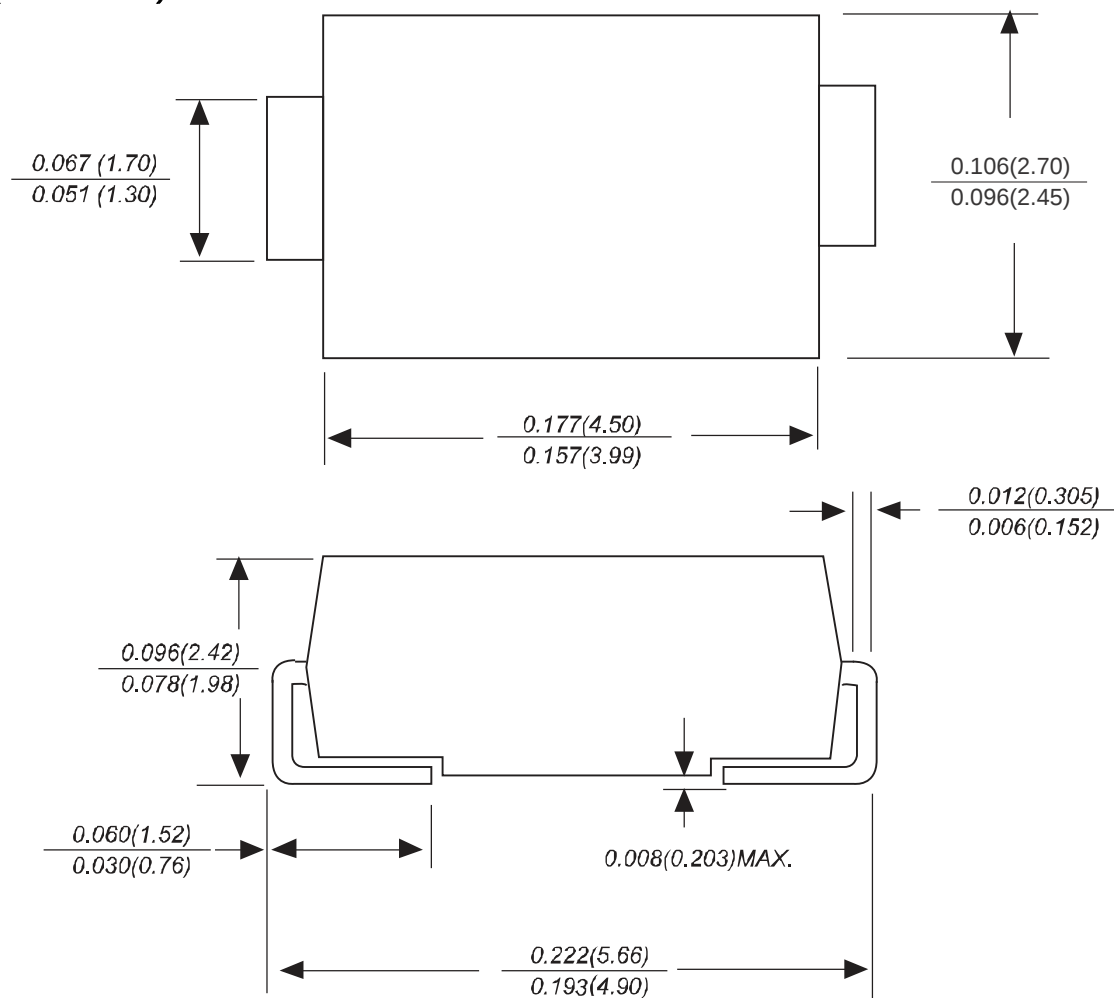
FIG.5 - TYPICAL REVERSE CHARACTERISTICS





Package Outline Dimensions

SMA(DO-214AC)



Dimensions in inches and (millimeters)



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