SK310SMA
SCHOTTKY RECTIFIER DIODES

Features

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



SMA
(DO-214AC)



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SK310SMA	SMA (DO-214AC)	SS310	2000

Maximum Ratings (Ta=25°C unless otherwise noted)

Item	Symbol	Test Conditions	Limit	Unit
Repetitive Peak Reverse Voltage	V_{RRM}		100	V
Maximum RMS Voltage	V_{RMS}		70	V
Average Forward Current	$I_{F(AV)}$	60Hz Half-sine wave, Resistance load, FIG.1	3.0	A
Surge(Non-repetitive) Forward Current	I_{FSM}	60Hz Half-sine wave, 1 cycle, Ta=25°C	70	A
Junction Temperature	T_J		-55 ~ +150	°C
Storage Temperature	T_{STG}		-55 ~ +150	°C

Electrical Characteristics (Ta=25°C unless otherwise specified)

Item	Symbol	Unit	Test Condition		Limit
Peak Forward Voltage	V_F	V	I_F=3.0A		0.85
Peak Reverse Current	I_{RRM1}	mA	$V_{RM}=V_{RRM}$	Ta=25°C	0.1
	I_{RRM2}			Ta=100°C	5.0
Thermal Resistance(Typical)	$R_{\theta J-A}$	°C/W	Between junction and ambient		75
	$R_{\theta J-L}$		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: FORWARD CURRENT DERATING CURVE

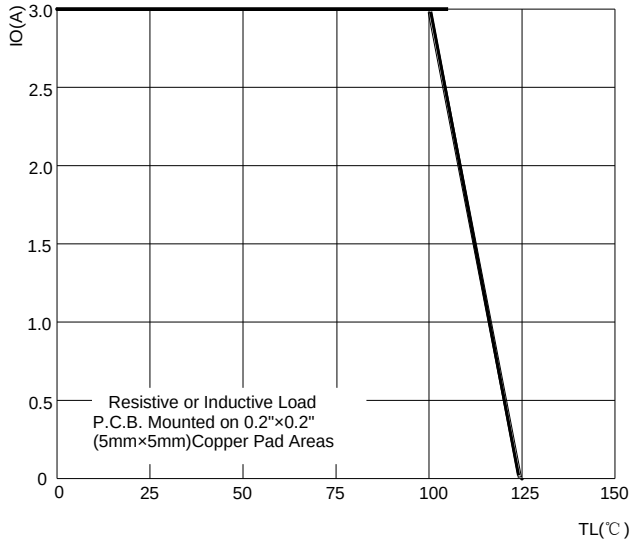


FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

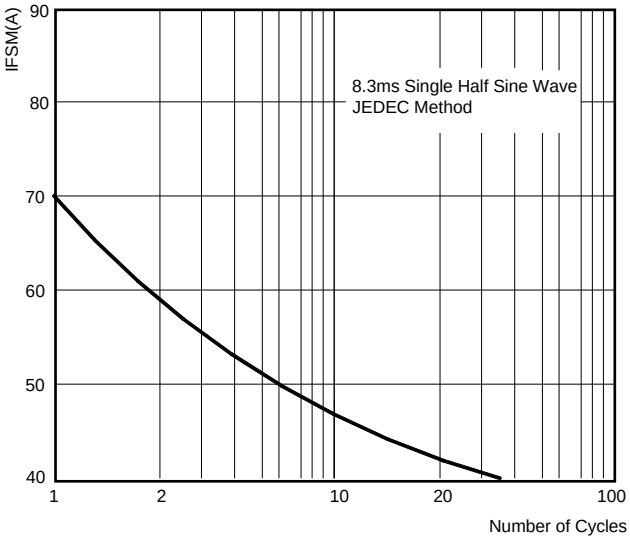


FIG.3: TYPICAL FORWARD CHARACTERISTICS

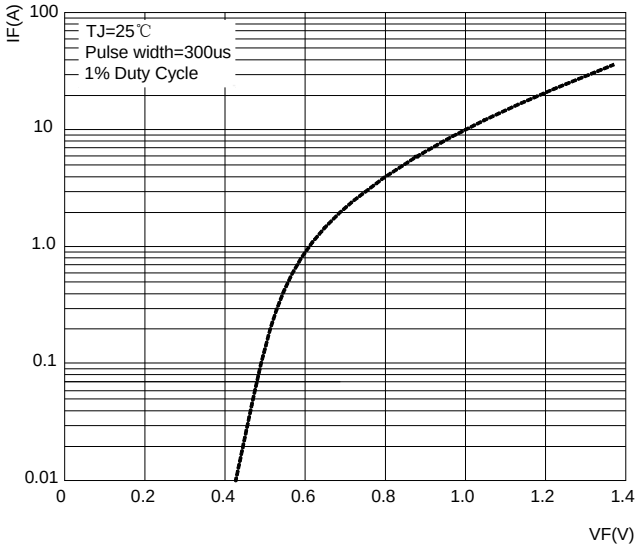
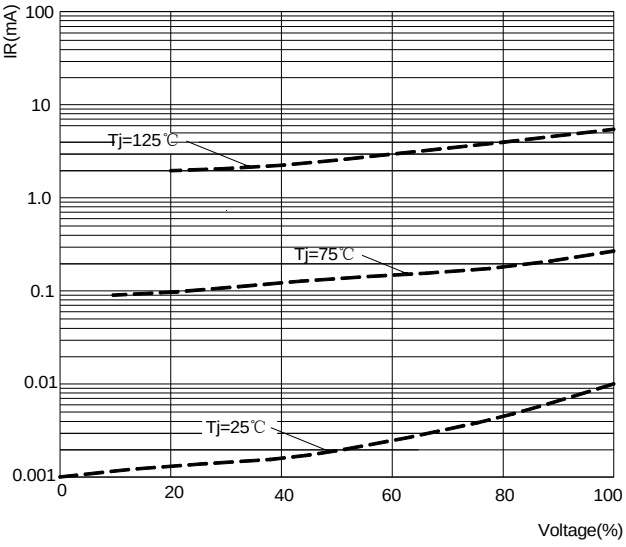
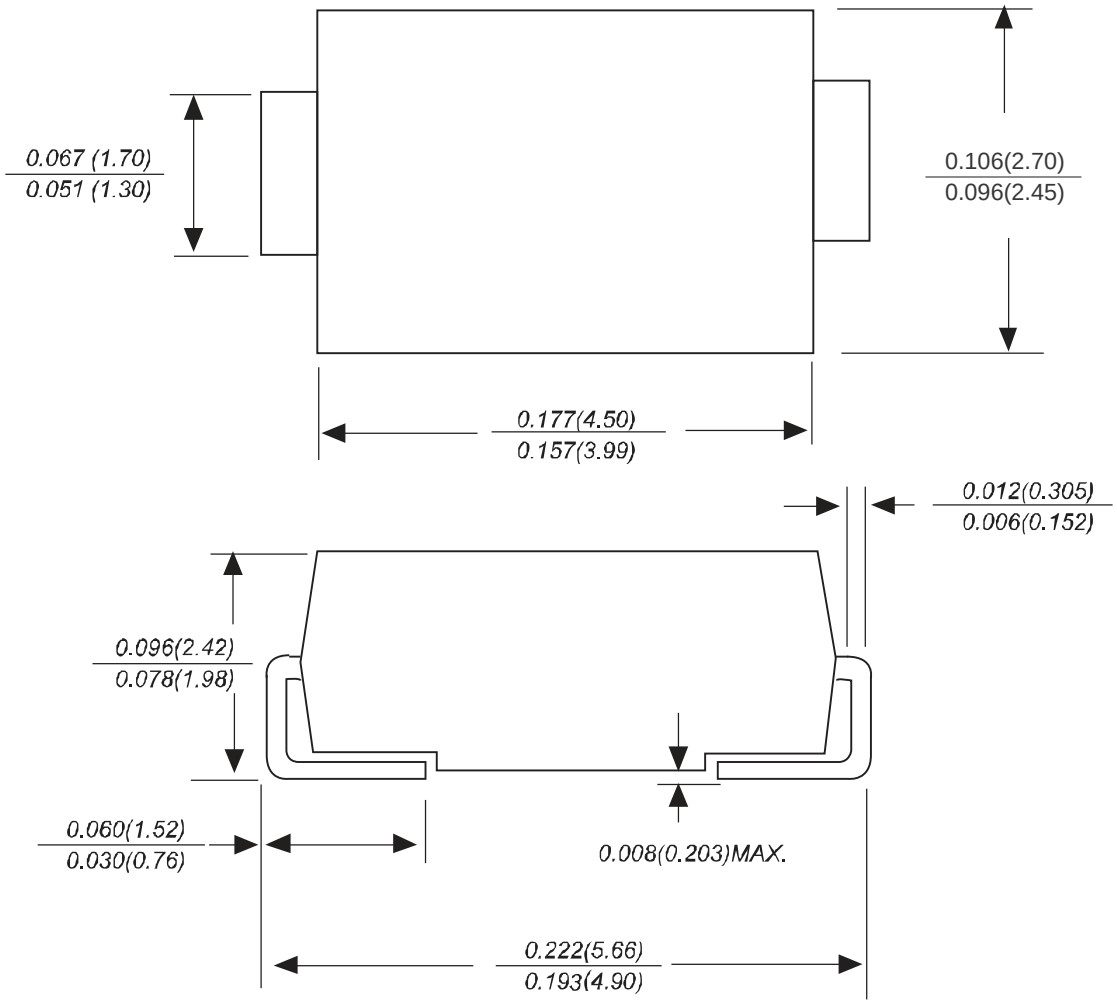


FIG.4：TYPICAL REVERSE CHARACTERISTICS



Package Outline Dimensions

SMA(DO-214AC)



Dimensions in inches and (millimeters)

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HXY MOSFET:

HSEN3611D3 LM393DR-HXY AZ4007-01H ESD5LM5.0C-HXY HACPDQC5V0-HF HAZ4007-01H HRCLAMP3371ZCTFT PESDNC2XD5VBL PJSD24CW_R1 RLSD32A121V TPSMB100CA-VR HESD36VD3B HLY323BC1524L HPTVSUC3D5VB PESDNC2XD5VBF PESDSC2FD5VU TPSMB28A-VR HSEN2411D3 HSG3D15B3.3MA AQ15C-01FTG BV05C-H ESD5L5.0C-HXY HESDSLC3V3D3B HSD15C.TCT HCEZ36V,L3F PESDLC2FD3V3BH PJEC5V0M1FN2 60N06 AZ4836-01L HSTS521050B331