Features

- Average Forward Current:$I_{F(AV)}$=5A
- Polarity: Color band denotes cathode



SMB



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SK5150B-LTP	SMB	SS5150	3000

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

Item	Symbol	Test Conditions	Limit	Unit
Repetitive Peak Reverse Voltage	V_{RRM}		150	V
Maximum RMS Voltage	V_{RMS}		105	V
Average Forward Current	$I_{F(AV)}$	60Hz Half-sine wave, Resistance load, FIG.1	5.0	A
Surge(Non-repetitive)Forward Current	I_{FSM}	60Hz Half-sine wave, 1 cycle, Ta=25°C	150	A
Junction Temperature	T_J		-50 ~ +150	°C
Storage Temperature	T_{STG}		-50 ~ +150	°C

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

Item	Symbol	Test Condition		Limit	Unit
Peak Forward Voltage	V_F	I_F=5.0A		0.95	V
Peak Reverse Current	I_{RRM1}	$V_{RM}=V_{RRM}$	Ta=25°C	0.1	mA
	I_{RRM2}		Ta=100°C	10	
Thermal Resistance(Typical)	$R_{\theta J-A}$	Between junction and ambient		60	°C/W
	$R_{\theta J-L}$	Between junction and terminal		20	

Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.6" x 0.6" (16 mm x 16 mm) copper pad areas

Typical Characteristics

FIG.1: FORWARD CURRENT DERATING CURVE

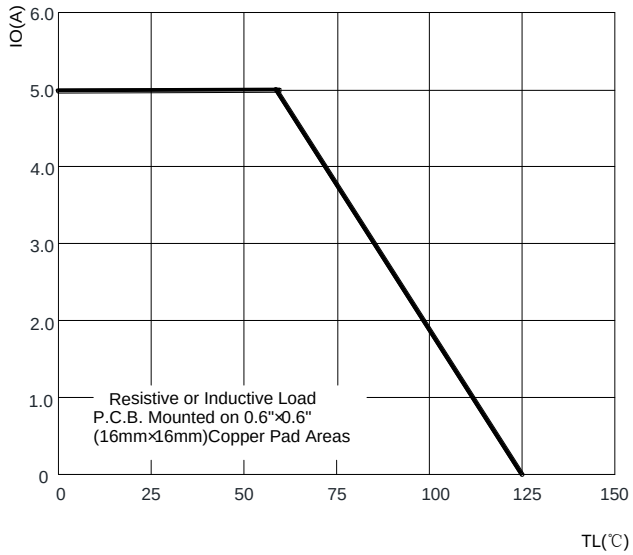


FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

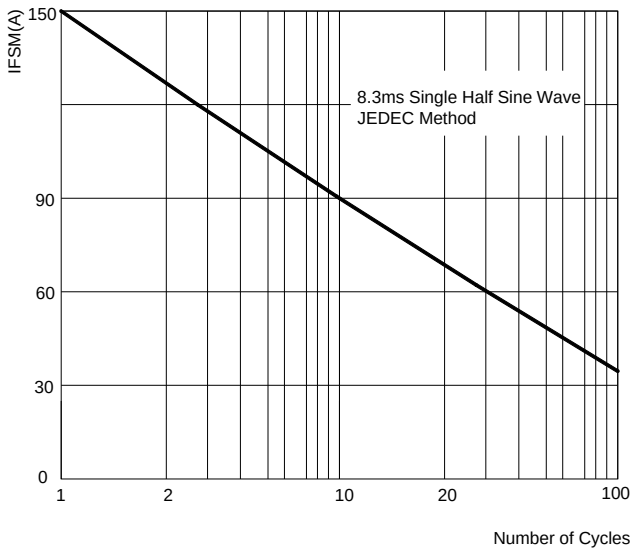


FIG.3: TYPICAL FORWARD CHARACTERISTICS

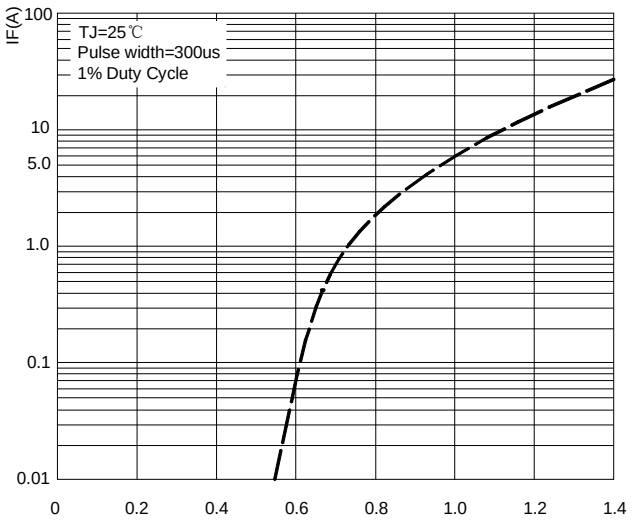
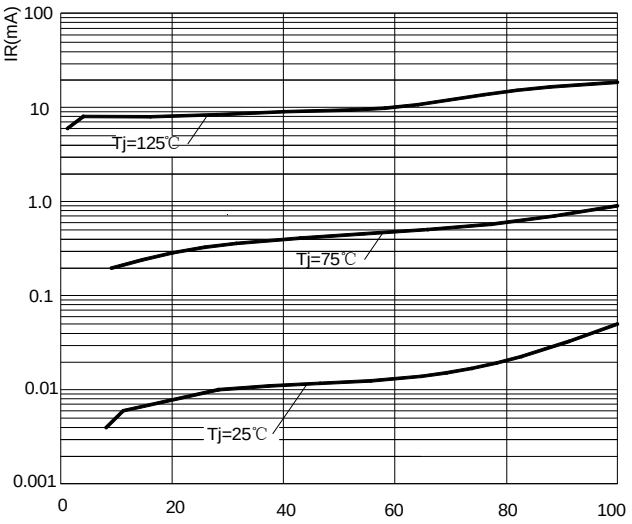
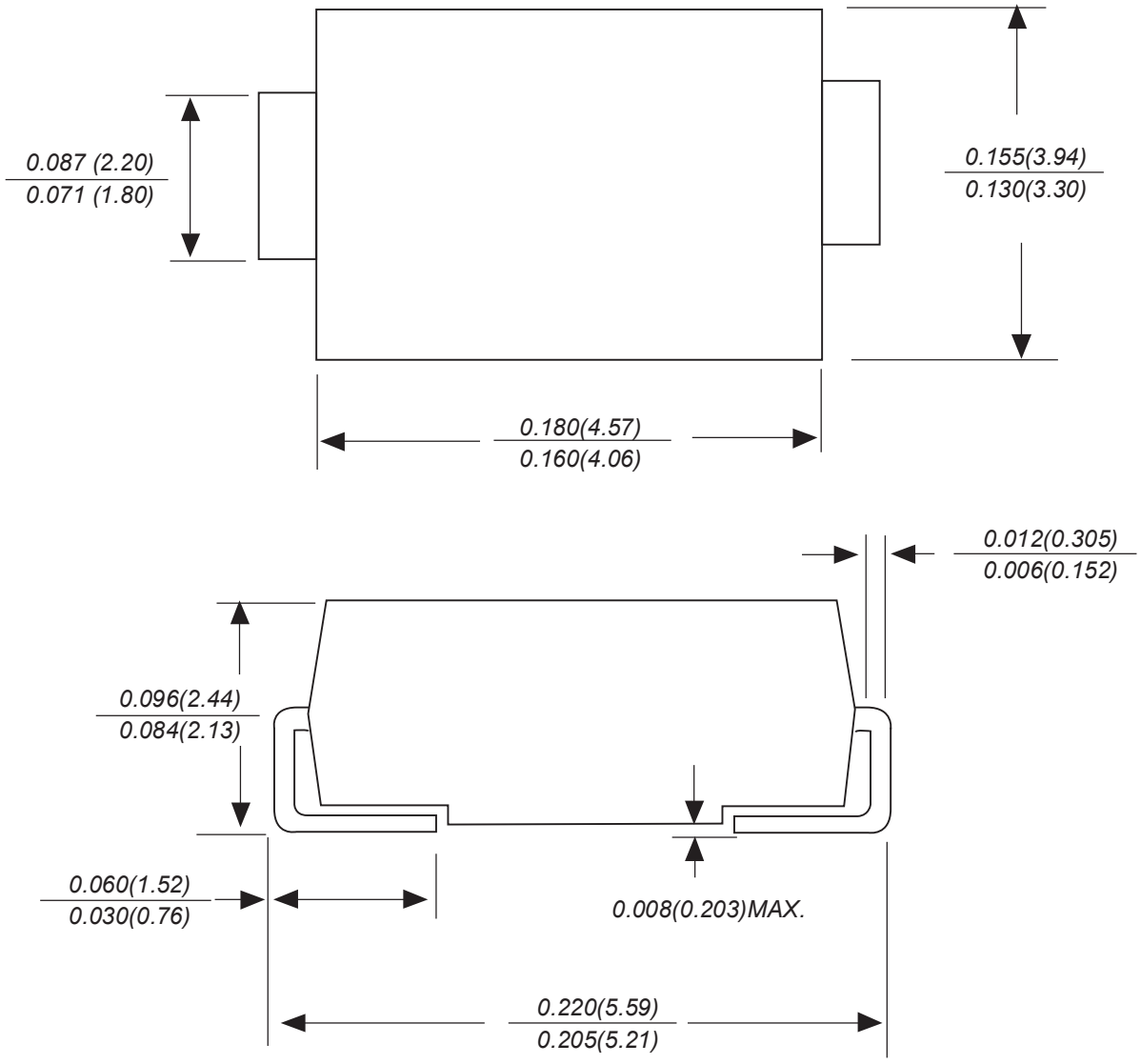


FIG.4：TYPICAL REVERSE CHARACTERISTICS



SMB Package Outline Dimensions



Dimensions in inches and (millimeters)

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