SK36AFL
SCHOTTKY RECTIFIER DIODES

Features

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



SMAF



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SK36AFL	SMAF	SS36F	3000

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

Parameter	Symbols	Limit	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	60	V
Maximum RMS voltage	V_{RMS}	42	V
Maximum DC Blocking Voltage	V_{DC}	60	V
Maximum Average Forward Rectified Current	$I_{F(AV)}$	3.0	A
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	80	A
Max Instantaneous Forward Voltage at 3 A	V_F	0.70	V
Maximum DC Reverse Current at Ta = 25°C Rated DC Reverse Voltage Ta = 100°C	I_R	0.3 5	mA
Typical Junction Capacitance 1)	C_j	160	pF
Typical Thermal Resistance2)	$R_{\theta JA}$	40	°C/W
Operating Junction Temperature Range	T_j	-55 ~ +125	°C
Storage Temperature Range	T_{stg}	-55 ~ +150	°C

1) Measured at 1MHz and applied reverse voltage of 4 V D.C.
2) P.C.B. mounted with 0.2 X 0.2" (5 X 5 mm) copper pad areas.

Typical Characteristics

Fig.1 Forward Current Derating Curve

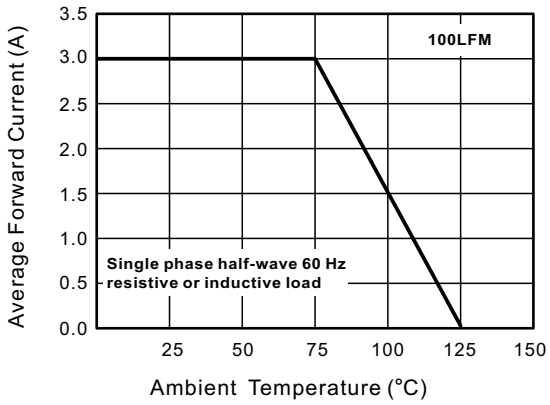


Fig.2 Typical Reverse Characteristics

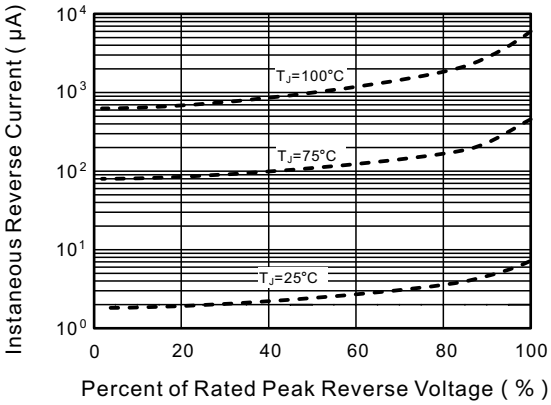


Fig.3 Typical Forward Characteristic

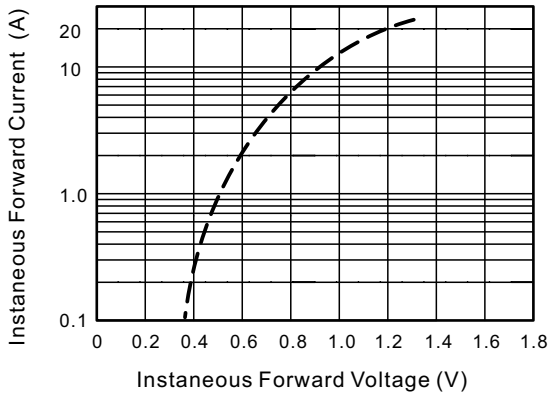


Fig.4 Typical Junction Capacitance

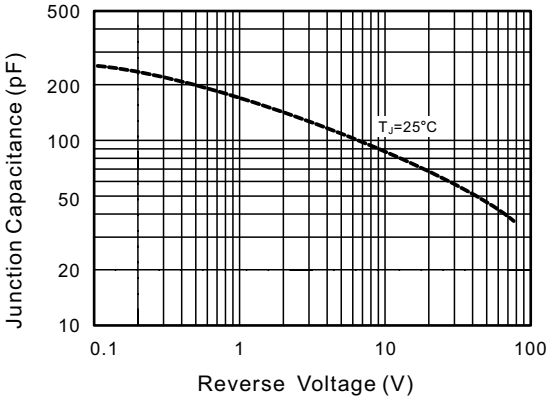


Fig.5 Maximum Non-Repetitive Peak Forward Surage Current

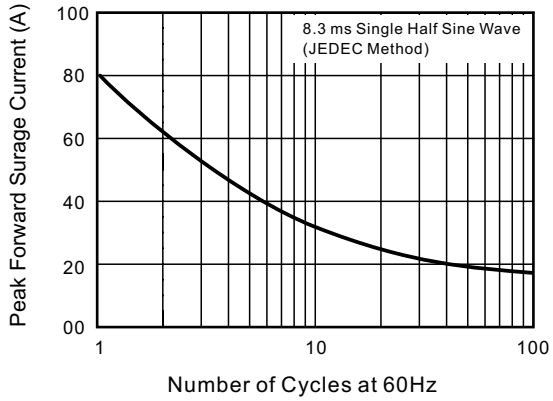
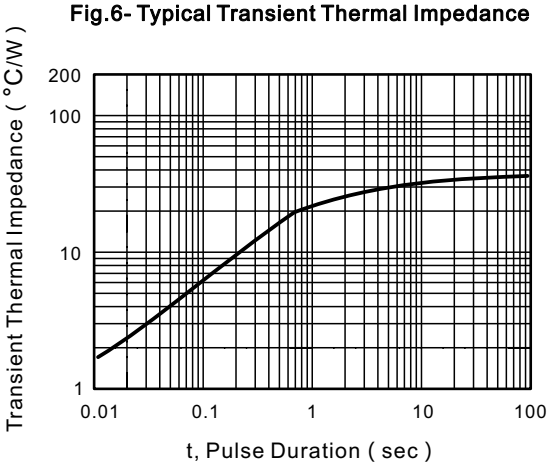
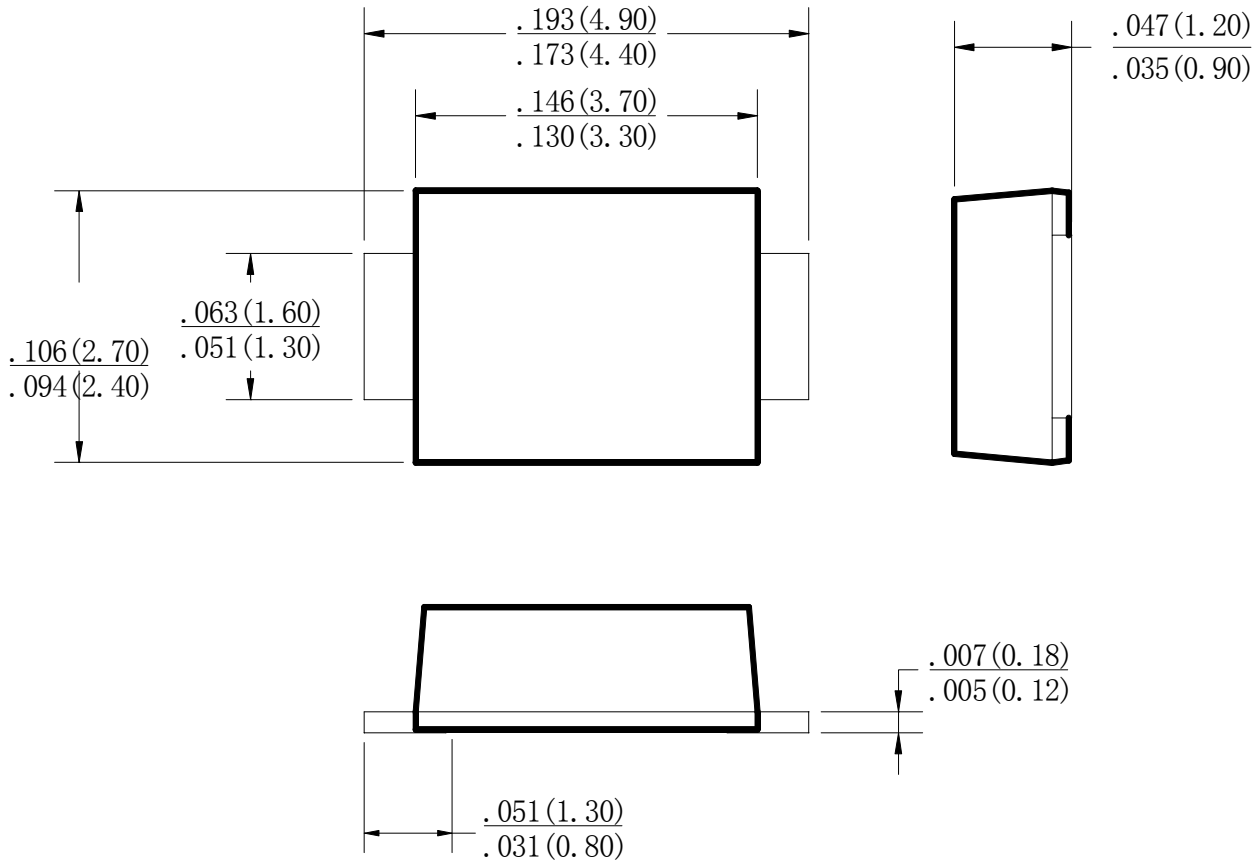


Fig.6- Typical Transient Thermal Impedance



Package Outline Dimensions

SMAF



Dimensions in inches and (millimeters)

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HXY MOSFET:

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