

Features

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

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SK34AFL	SMAF	SS34F	3000



SMAF



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

Parameter	Symbols	Limit	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Maximum RMS voltage	V _{RMS}	28	V
Maximum DC Blocking Voltage	V _{DC}	40	V
Maximum Average Forward Rectified Current	I _{F(AV)}	3.0	А
Peak Forward Surge Current,8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	80	А
Max Instantaneous Forward Voltage at 3 A	V _F	0.55	V
Maximum DC Reverse Current at $T_a = 25$ °C Rated DC Reverse Voltage $T_a = 100$ °C	I _R	0.5 10	mA
Typical Junction Capacitance 1)	C _j	250	pF
Typical Thermal Resistance2)	R _{θJA}	40	°C/W
Operating Junction Temperature Range	Tj	-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

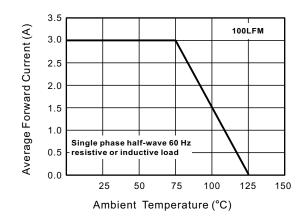


Fig.3 Typical Forward Characteristic

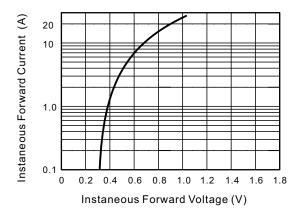


Fig.5 Maximum Non-Repetitive Peak Forward Surage Current

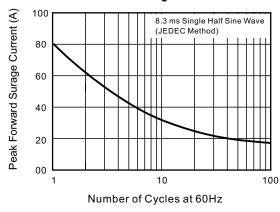


Fig.2 Typical Reverse Characteristics

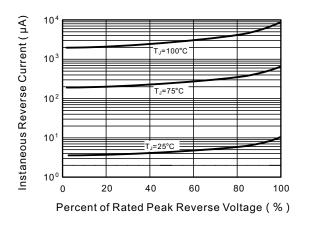


Fig.4 Typical Junction Capacitance

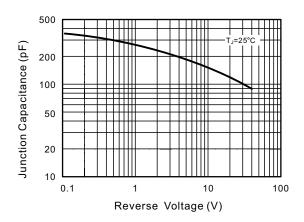
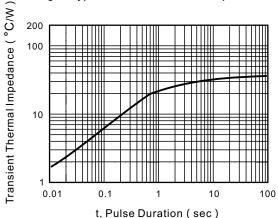
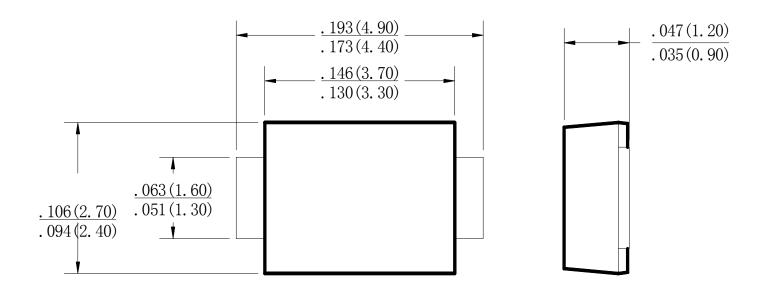
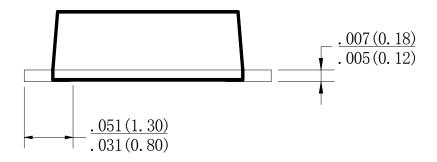


Fig.6- Typical Transient Thermal Impedance



SMAF Package Outline Dimensions





Dimensions in inches and (millimeters)



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