



Features

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



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
RB088LAM-40TFTR	SMAF	SS54F	3000

SMAF



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

Item	Symbol	Unit	Test Conditions	Limit
Repetitive Peak Reverse Voltage	V_{RRM}	V		40
Maximum RMS Voltage	V_{RMS}	V		82
Average Forward Current	$I_{F(AV)}$	A	60Hz Half-sine wave Resistance load , FIG.1	5.0
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz Half-sine wave , 1 cycle , Ta=25°C	150
Junction Temperature	T_J	°C		-55~+125
Storage Temperature	T_{STG}	°C		-55 ~ +150

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

Item	Symbol	Unit	Test Condition		Limit
Peak Forward Voltage	V _F	V	I _F =5.0A		0.55
Peak Reverse Current	I _{RRM1}	mA	V _{RM} =V _{RRM}	T _a ≈25°C	0.5
	I _{RRM2}			T _a ≈100°C	10
Thermal Resistance(Typical)	R _{θJ-A}	°C/ W	Between junction and ambient		55
	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: FORWARD CURRENT DERATING CURVE

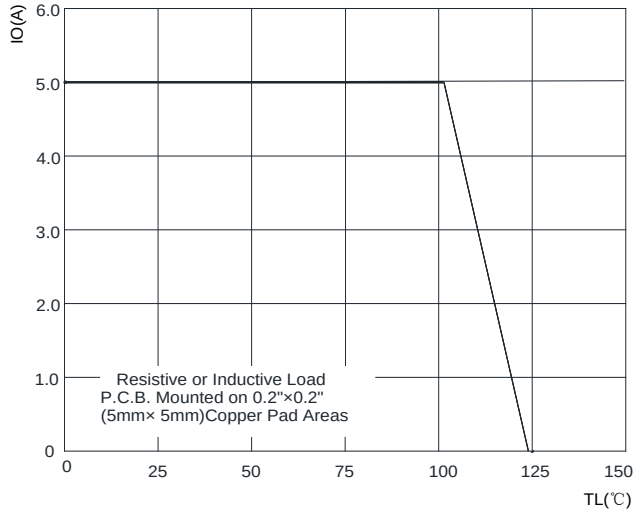


FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

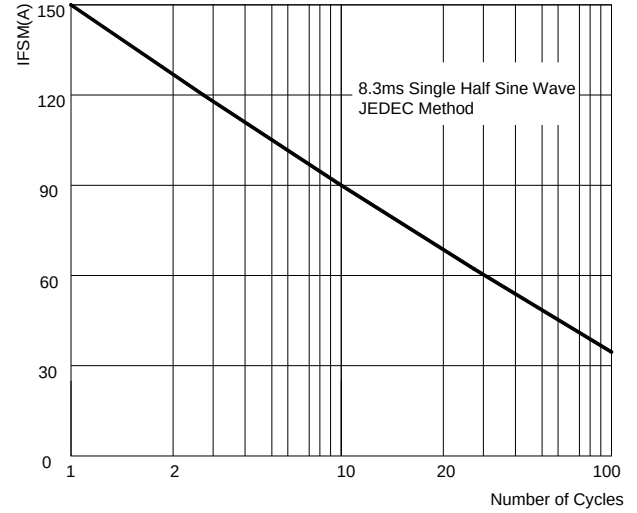


FIG.3: TYPICAL FORWARD CHARACTERISTICS

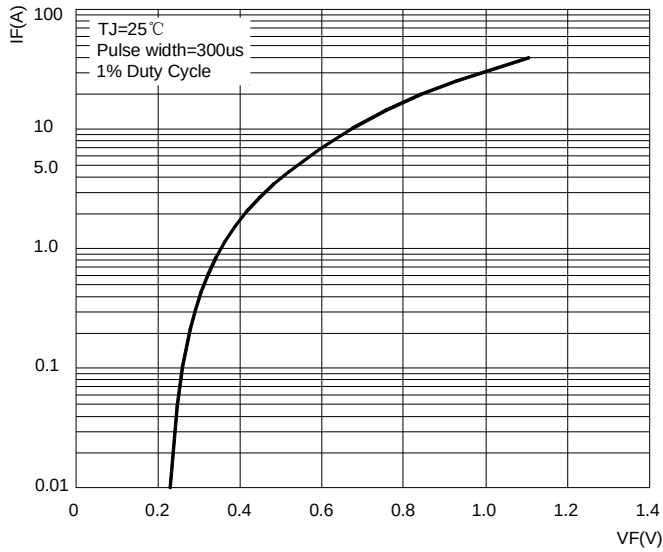
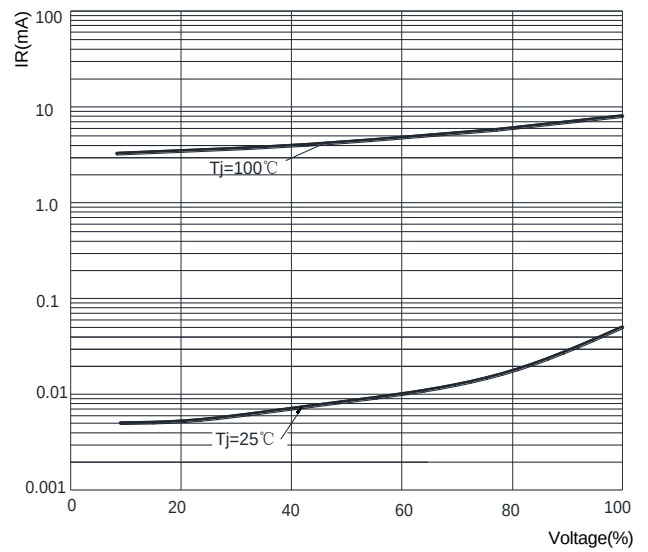
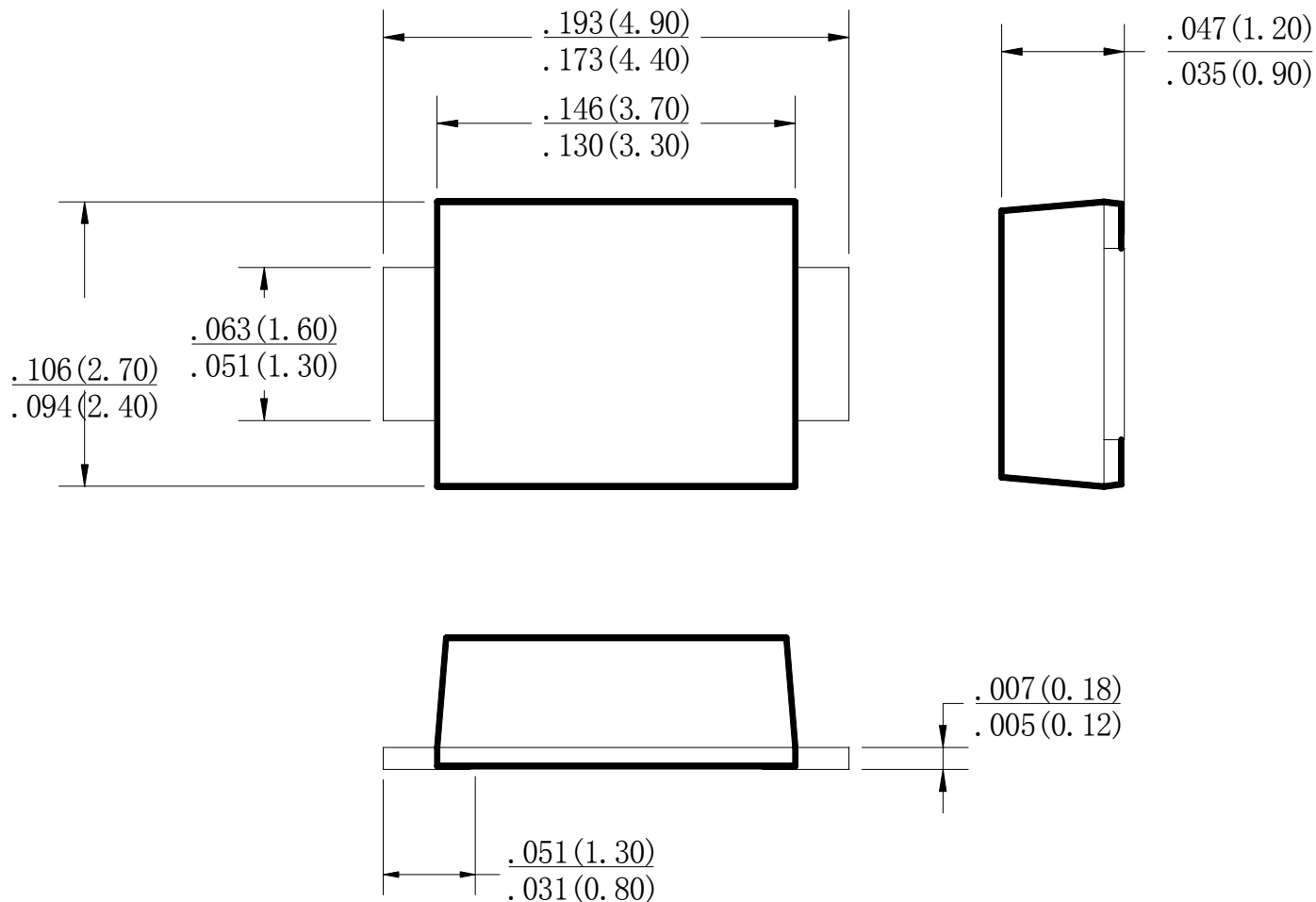


FIG.4: TYPICAL REVERSE CHARACTERISTICS





SMAF Package Outline Dimensions



Dimensions in inches and (millimeters)



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