Features

- Average Forward Current:$I_{F(AV)}$=1A
- Polarity: Color band denotes cathode



SMA
(DO-214AC)



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
HNRVUS2MA	SMA (DO-214AC)	S2M	5000

Maxmim Ratings (Ta=25℃ unless otherwise noted)

Item	Symbol	Unit	Test Conditions	S2M
Repetitive Peak Reverse Voltage	V_{RRM}	V		1000
Maximum RMS Voltage	V_{RMS}	V		700
Average Forward Current	$I_{F(AV)}$	A	60Hz Half-sine wave,Resistance load,T_L =100℃	2.0
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz Half-sine wave,1 cycle,Ta=25℃	50
Operation Junction and Storage Temperature Range	T_J,T_{STG}	℃		-55 ~ +150

Electrcal Charcteristics (T_a=25℃unless otherwise specified)

Item	Symbol	Unit	Test Condition		S2M
Peak Forward Voltage	V_F	V	I_F=2.0A		1.1
Peak Reverse Current	I_{RRM1}	μA	V_{RM}=V_{RRM}	Ta =25℃	5.0
	I_{RRM2}			Ta =125℃	125
Thermal Resistance(Typical)	$R_{\theta J-A}$	℃/ W	Between junction and ambient		53
	$R_{\theta J-L}$		Between junction and terminal		16

Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.27" x 0.27" (7.0 mm x 7.0 mm) copper pad areas

Typical Characteristics

FIG.1: FORWARD CURRENT DERATING CURVE

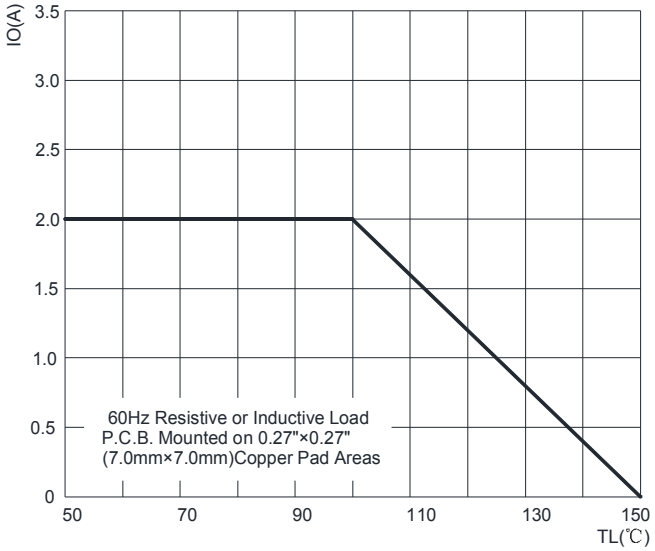


FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

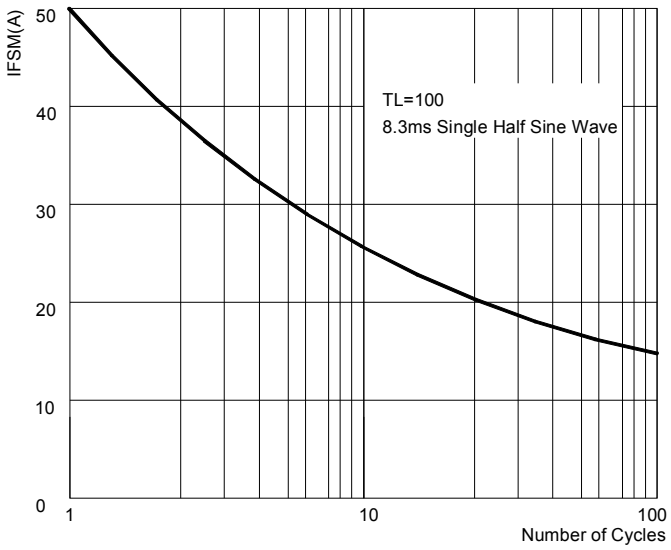


FIG.3: TYPICAL FORWARD CHARACTERISTICS

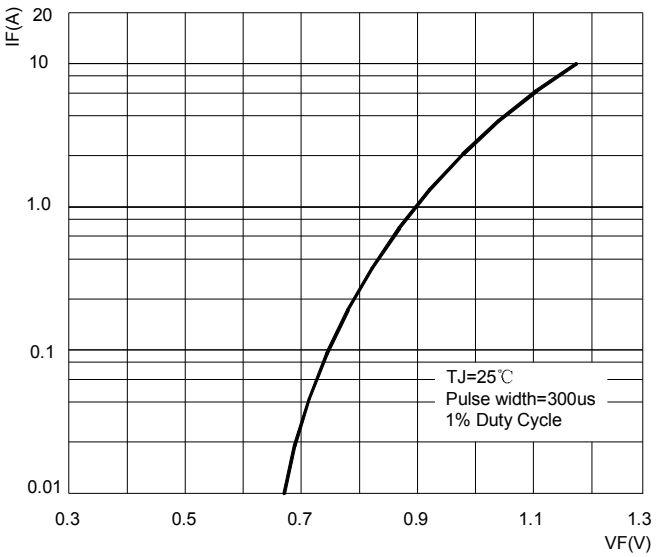
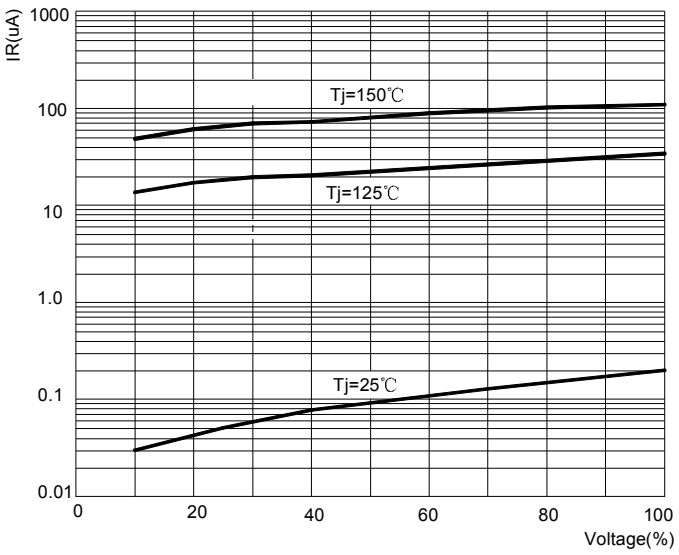
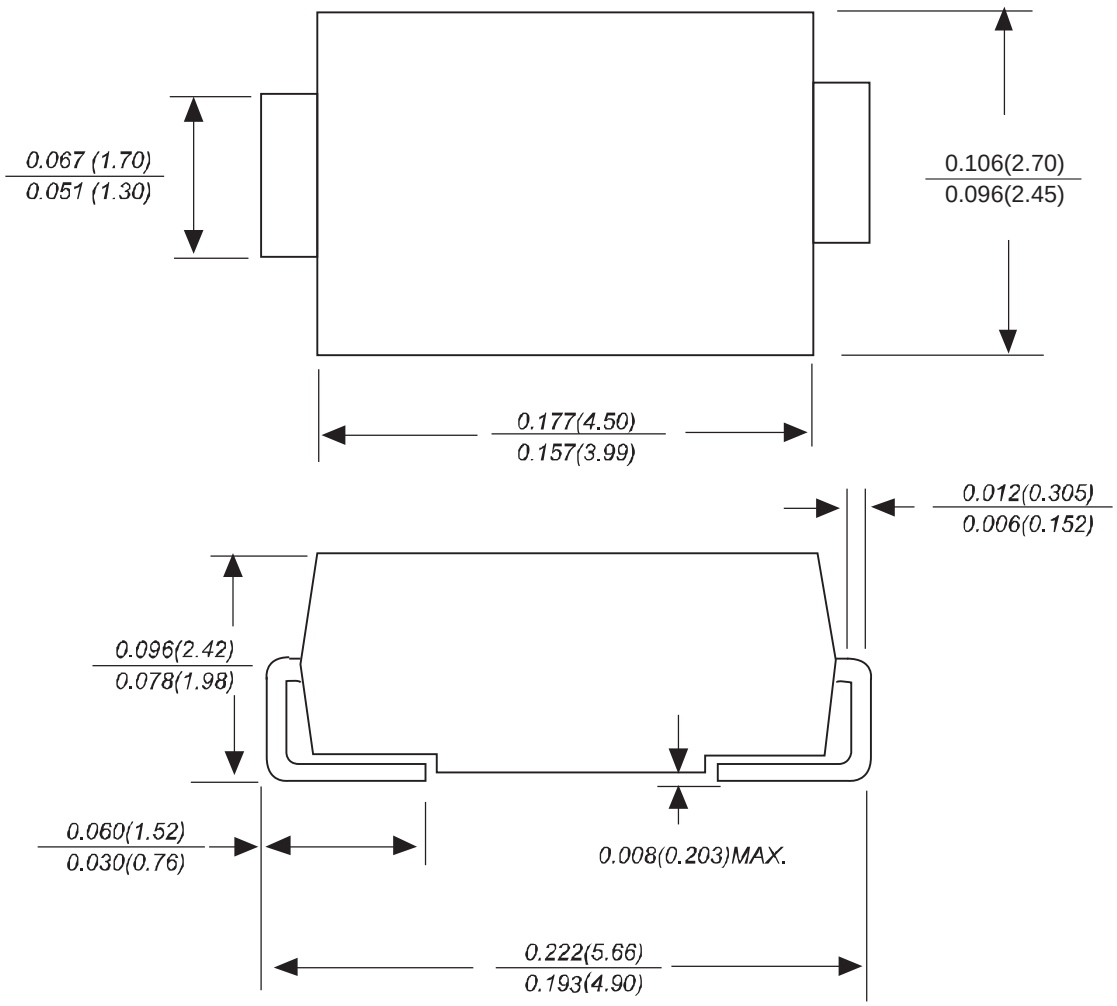


FIG.4：TYPICAL REVERSE CHARACTERISTICS



SMA Package Outline Dimensions



Dimensions in inches and (millimeters)

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