



Features

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



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
HNRVTSS3100ET3G	SMB (DO-214AA)	SS310	3000

SMB
(DO-214AA)



Maximum Ratings (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Test Conditions	HNRVTSS3100ET3G
Repetitive Peak Reverse Voltage	V_{RRM}	V		100
Maximum RMS Voltage	V_{RMS}	V		70
Average Forward Current	$I_{F(AV)}$	A	60Hz Half-sine wave, Resistance load, FIG.1	3.0
Surge(Non-repetitive) Forward Current	I_{FSM}	A	60Hz Half-sine wave, 1 cycle, Ta=25°C	70
Junction Temperature	T_J	°C		-50~+150
Storage Temperature	T_{STG}	°C		-50 ~ +150

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

Item	Symbol	Unit	Test Condition	HNRVTSS3100ET3G
Peak Forward Voltage	V_F	V	$I_F=3.0A$	0.85
Peak Reverse Current	I_{RRM1}	mA	$V_{RM}=V_{RRM}$	$T_a=25^{\circ}C$ 0.1
	I_{RRM2}			$T_a=100^{\circ}C$ 5
Thermal Resistance(Typical)	$R_{\theta J-A}$	°C/ W	Between junction and ambient	55
	$R_{\theta J-L}$		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-TYPICAL FORWARD CURRENT DERATING CURVE

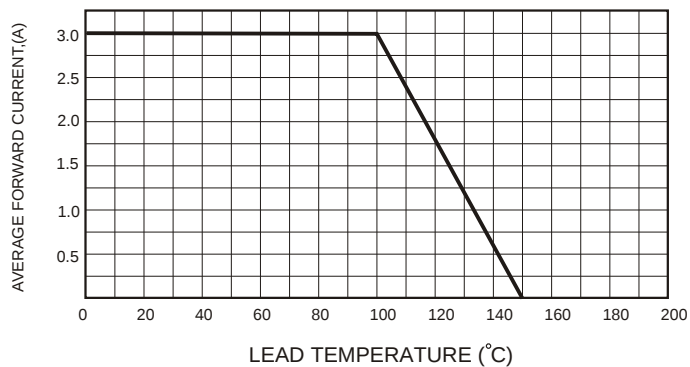


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

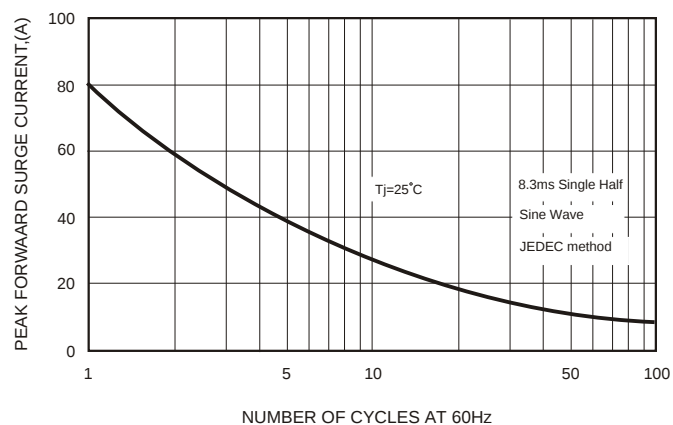


FIG.4-TYPICAL JUNCTION CAPACITANCE

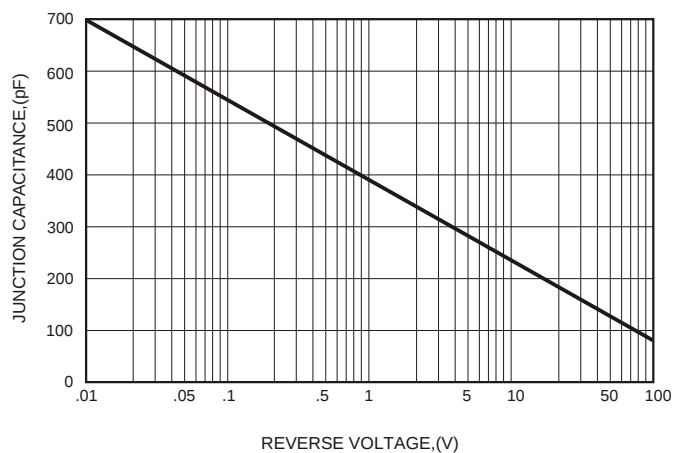


FIG.2-TYPICAL FORWARD CHARACTERISTICS

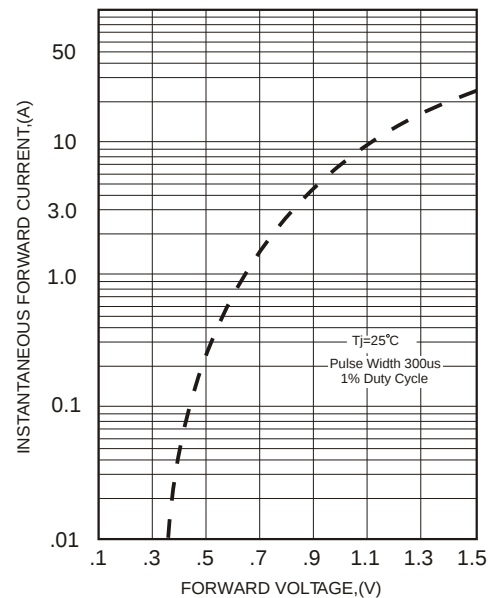
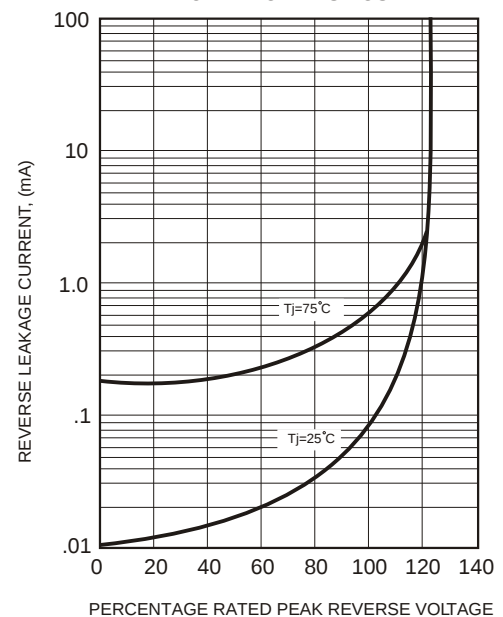


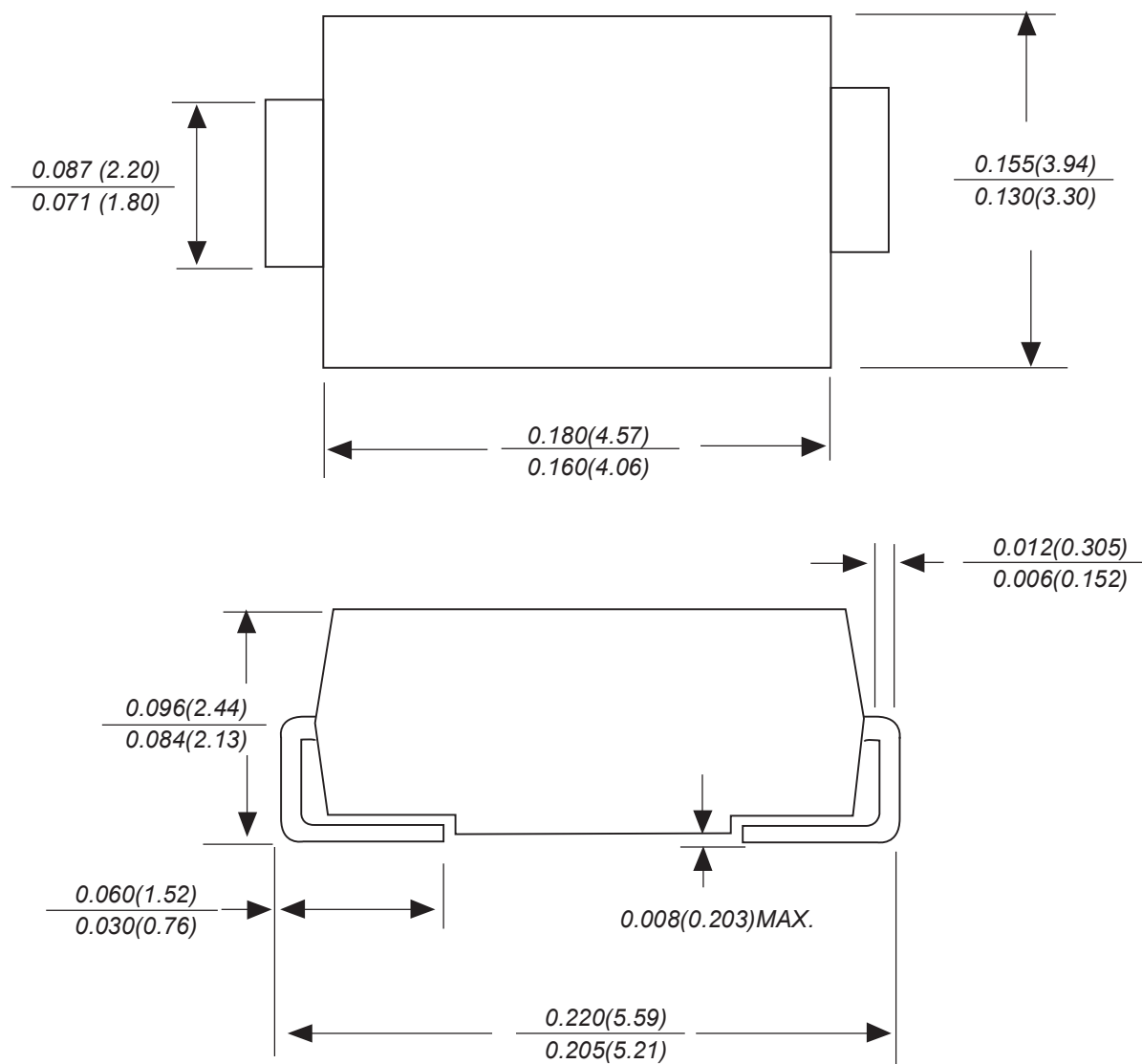
FIG.5 - TYPICAL REVERSE CHARACTERISTICS





Package Outline Dimensions

SMB(DO-214AA)



Dimensions in inches and (millimeters)



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