

Features

- Average Forward Current: IF(AV)=1A
- •Polarity: Color band denotes cathode

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
HSS16HE3BH	SMA (DO-214AC)	SS16	2000



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

				,
Item	Symbol	Unit	Test Conditions	HSS16HE3BH
Repetitive Peak Reverse Voltage	V _{RRM}	٧		60
Maximum RMS Voltage	V_{RMS}	٧		42
Average Forward Current	l _{F(AV)}	Α	60Hz Half-sine wave, Resistance load, FIG.1	1.0
Surge(Non-repetitive) Forward Current	I _{FSM}	Α	60Hz Half-sine wave, 1 cycle, Ta=25°C	30
Junction Temperature	TJ	°C		-55 ~ +150
Storage Temperature	T _{STG}	°C		-55 ~ +150

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

Item	Symbol	Unit	Test Condition		HSS16HE3BH		
Peak Forward Voltage	V _F	V	I _F =1.0A		0.70		
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)	$R_{ heta_{J-A}}$	°C/	Between junction and ambient		65		
	$R_{\theta J\text{-}L}$	W	Between junction and terminal		20		

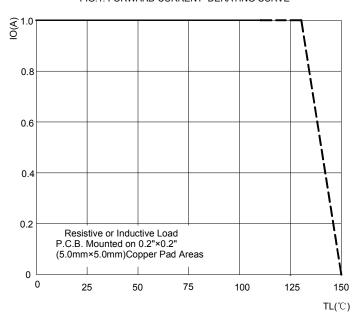
Notes

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



30 20 10

FIG2:Surge Forward Current Capadility

FIG.3: TYPICAL FORWARD CHARACTERISTICS

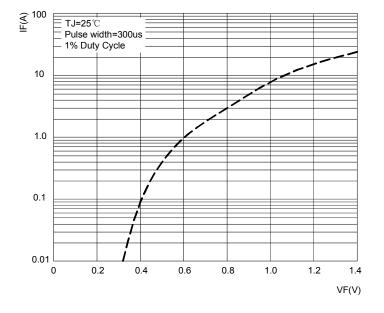


FIG.4: TYPICAL REVERSE CHARACTERISTICS

10

20

50

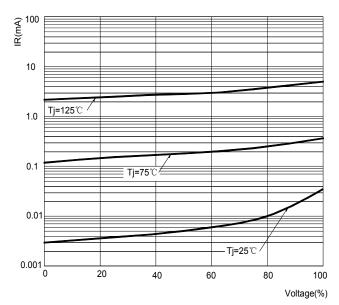
Number of Cycles

100

0

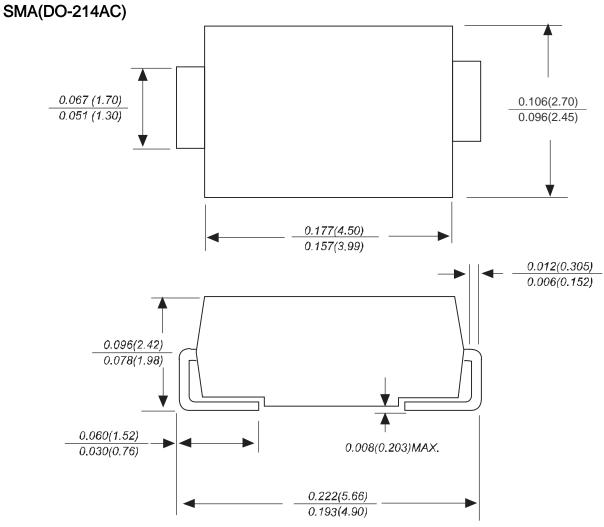
2

5





Package Outline Dimensions



Dimensions in inches and (millimeters)



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