

Features

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

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SS52~SS520	SMA (DO-214AC)	SS5*	2000

★:From 2-20



(DO-214AC)

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Maxmim Ratings (Ta=25 unless otherwise noted)

ltem	Cymah al		Test Conditions		SS5										
Item	Symbol	Unit			3	4	5	6	8	10	15	20			
Repetitive Peak Reverse Voltage	V _{RRM}	V		20	30	40	50	60	80	100	150	200			
Maximum RMS Voltage	VRMS	V		14	21	28	35	42	56	70	105	140			
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℃	150											
Junction Temperature	TJ	°C		-55~+125 -55~+150											
Storage Temperature	T _{STG}	°C		-55 ~ +150											

Electrcal Charcteristics (Ta=25 unless otherwise specified)

ltom	Symbol Un	11	Test Condition			SS5									
Item	Symbol	Unit	Test Condition		2	3	4	5	6	8	10	15	20		
Peak Forward Voltage	V_{F}	V	I _F =	0.55 0.70			0.85		0.95						
Deals Deverse Current	I _{RRM1}		mA	V _{RM} =V _{RRM}	Ta=25℃	0.5					0.2				
Peak Reverse Current	I _{RRM2}	ШA	V RM= V RRM	Ta=100℃			20			10					
Thermal	$R_{\theta J-A}$	°C/	Between junct	ion and ambient	55										
Resistance(Typical)	$R_{\theta J\text{-}L}$	W	Between junct	17											

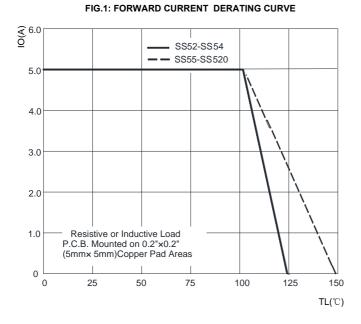
Notes:

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



SS52~SS520 SCHOTTKY RECTIFIER DIODES

Typical Characteristics





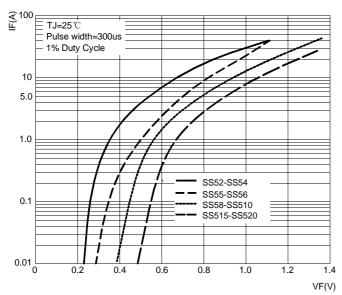
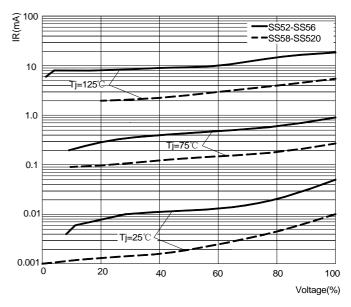


FIG.2: MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

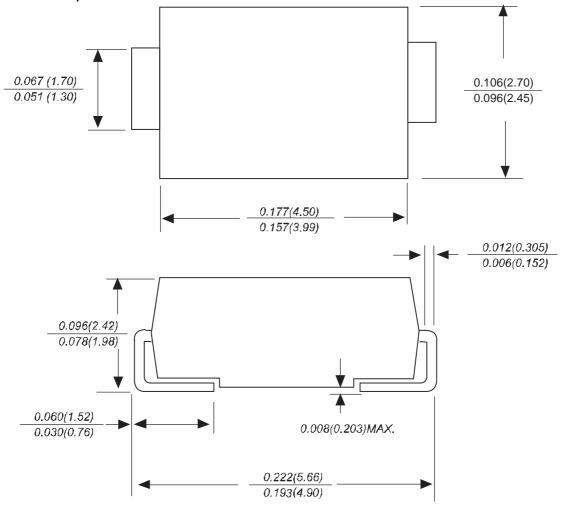
FIG.4: TYPICAL REVERSE CHARACTERISTICS





Package Outline Dimensions

SMA(DO-214AC)



Dimensions in inches and (millimeters)



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