



SSC SSS22DA THRU SSC SSS220DA

Schottky Barrier Diode

● Features

- ✧ Reverse Voltage - 20 to 200 V
- ✧ Forward Current - 2.0A
- ✧ Low profile package
- ✧ Ideal for automated placement
- ✧ Ultrafast reverse recovery time
- ✧ Low power losses, high efficiency
- ✧ Low forward voltage
- ✧ High surge capability
- ✧ UL Flammability Classification Rating 94V-0
- ✧ High temperature soldering: 260°C/10 seconds at terminals

● PIN configuration



SMA/DO-214AC



Circuit Diagram



Marking

(SS24:SSC SSS24DA Marking Code)

● Applications

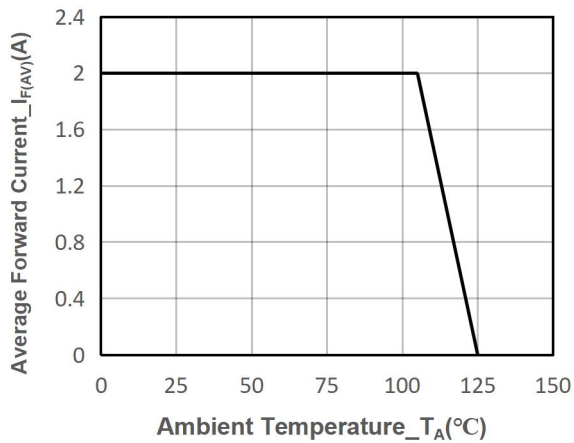
- ✧ Low Voltage
- ✧ High-Frequency Inverters
- ✧ Free Wheeling
- ✧ Polarity Protection

● Absolute maximum rating @T_A=25°C

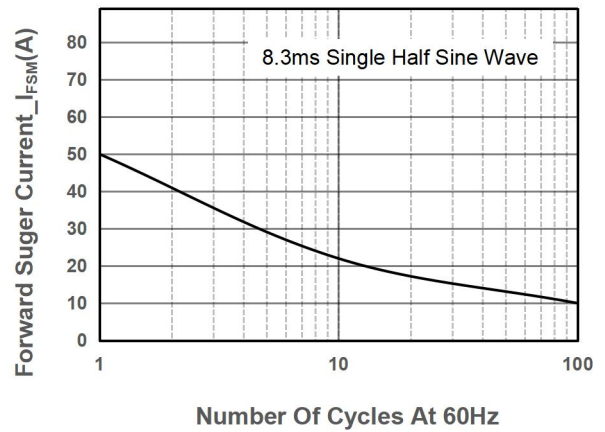
Parameter	Symbol	SSCSSS								Unit	
		22DA	24DA	245DA	26A	28DA	210DA	215DA	220DA		
Maximum Peak Repetitive Peak Reverse Voltage	V _{RRM}	20	40	45	60	80	100	150	200	V	
Maximum RMS Voltage	V _{RMS}	14	28	31.5	42	56	70	105	140	V	
Maximum DC Blocking Voltage	V _{DC}	20	40	45	60	80	100	150	200	V	
Maximum Average Forward Rectified Current	I _{F(AV)}	2.0								A	
Non-repetitive Peak Forward Surge Current @t=8.3ms	I _{FSM}	50								A	
Max Instantaneous Forward Voltage at 2 A	V _F	0.55			0.70		0.85		0.95		V
Maximum DC Reverse Current Ta = 25 ℃ at Rated DC Blocking Voltage Ta =125 ℃	I _R	0.2 10				0.05 5				mA	
Operating Temperature	T _J	-55 ~ +125								℃	
Storage Temperature	T _{STG}	-55 ~ +150								℃	



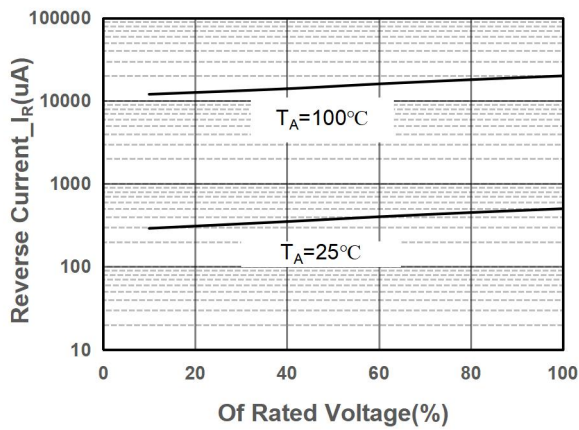
● Typical Performance Characteristics



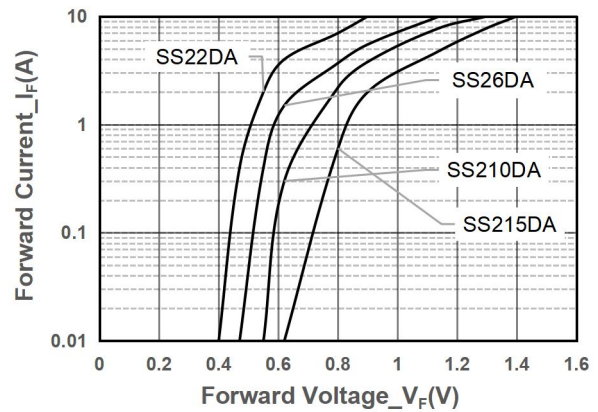
I_o -TL Curve



Surge Forward Current Capability Voltage



Typical Reverse Characteristics



Forward Voltage vs. Forward Current



● Package Information

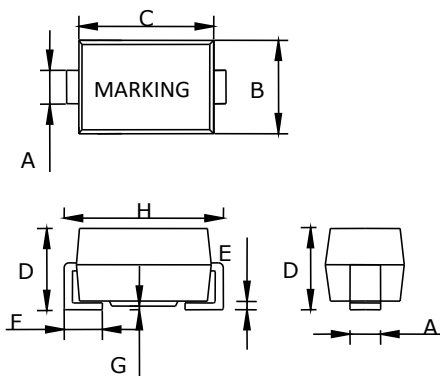
Ordering Information

Device	Package	Marking	Qty per Reel	Reel Size
SSCSSS22DA	SMA/DO-214AC	SS22	5000	11 Inch
SSCSSS24DA	SMA/DO-214AC	SS24	5000	11 Inch
SSCSSS245DA	SMA/DO-214AC	SS245	5000	11 Inch
SSCSSS26DA	SMA/DO-214AC	SS26	5000	11 Inch
SSCSSS28DA	SMA/DO-214AC	SS28	5000	11 Inch
SSCSSS210DA	SMA/DO-214AC	SS210	5000	11 Inch
SSCSSS215DA	SMA/DO-214AC	SS215	5000	11 Inch
SSCSSS220DA	SMA/DO-214AC	SS220	5000	11 Inch

Mechanical Data

Case: SMA/DO-214AC

Case Material: Molded Plastic. UL Flammability



DIM	Millimeters		
	Min	Nom	Max
A	1.40	1.50	1.60
B	2.50	2.67	2.90
C	4.00	4.40	4.50
D	2.00	2.25	2.45
E	0.05	0.200	0.203
F	0.76	1.14	1.52
G	-	-	0.203
H	4.90	5.0	5.30

Recommended Pad outline





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