

SS22 THRU SS220

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER
Reverse Voltage - 20 to 200 Volts Forward Current - 2.0 Amperes

FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications
- ◆ Metal silicon junction, majority carrier conduction
- ◆ Low power loss, high efficiency
- ◆ Built-in strain relief,ideal for automated placement
- High forward surge current capability
- High temperature soldering guaranteed: 250°C/10 seconds at terminals

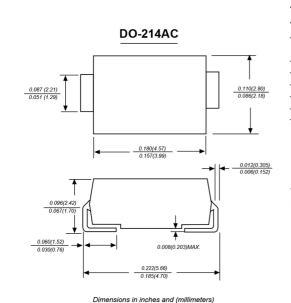
MECHANICAL DATA

Case: JEDEC DO-214AC molded plastic body Terminals: leads solderable per MIL-STD-750, Method 2026

Polarity: Color band denotes cathode end

SYMPOLS COOL COOL COOL COOL COOL

Mounting Position: Any Weight: 0.058 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

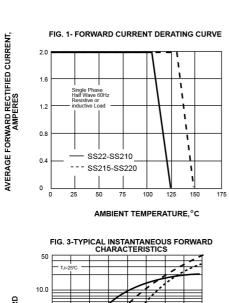
SYMBOLS	SS22	SS23	SS24	SS25	SS26	SS28	SS210	SS215	SS220	UNITS
Vrrm	20	30	40	50	60	80	100	150	200	VOLTS
VRMS	14	21	28	35	42	56	70	105	140	VOLTS
Vpc	20 30 40 50 60 80 100 150 200						VOLTS			
Lavo	2.0									Amps
I(AV)	2.0									
Ігѕм	50.0								Amps	
VF		0.55		0.7	70	0.8	5	0.9	95	Volts
	0.5							mA		
IR	20 10					10				
C¹	220			180						pF
R JA	75.0 45.0						0	°C/W		
TJ,	-65 to +125			-65 to +150				-55 to	+150	°C
Тѕтс	-55 to +150								°C	
	VRRM VRMS VDC I(AV) IFSM VF IR CJ R JA TJ,	VRMS 14 VDC 20 I(AV) IFSM VF IR CJ R JA TJ, -6	VRRM 20 30 VRMS 14 21 VDC 20 30 I(AV) IFSM VF 0.55 IR 20 CJ 220 R JA TJ, -65 to +1	VRRM 20 30 40 VRMS 14 21 28 VDC 20 30 40 I(AV) IFSM VF 0.55 IR 20 CJ 220 R JA TJ, -65 to +125	VRRM 20 30 40 50 VRMS 14 21 28 35 VDC 20 30 40 50 I(AV) IFSM VF 0.55 0.5 R 20 CJ 220 R JA 75.0 TJ, -65 to +125	VRRM 20 30 40 50 60 VRMS 14 21 28 35 42 VDC 20 30 40 50 60 I(AV) 2.0 VF 0.55 0.70 IR 0.5 0.70 IR 20 0.5 CJ 220 75.0 TJ, -65 to +125 -65 to -	VRRM 20 30 40 50 60 80 VRMS 14 21 28 35 42 56 VDC 20 30 40 50 60 80 I(AV) 2.0 UF D.0.5 VF 0.55 0.70 0.8 O.5 0.5 0.5 0.5 CJ 220 1 0.5 R JA 75.0 75.0 TJ, -65 to +125 -65 to +150	VRRM 20 30 40 50 60 80 100 VRMS 14 21 28 35 42 56 70 VDC 20 30 40 50 60 80 100 I(AV) 2.0 50.0 VF 0.55 0.70 0.85 IR 20 10 CJ 220 180 R JA 75.0 TJ, -65 to +125 -65 to +150	VRRM 20 30 40 50 60 80 100 150 VRMS 14 21 28 35 42 56 70 105 VDC 20 30 40 50 60 80 100 150 I(AV) 2.0 VF 0.55 0.70 0.85 0.9 IR 20 10 0.5 1 CJ 220 180 75.0 45. TJ, -65 to +125 -65 to +150 -55 to	VRRM 20 30 40 50 60 80 100 150 200 VRMS 14 21 28 35 42 56 70 105 140 VDC 20 30 40 50 60 80 100 150 200 I(AV) 2.0 VF 0.55 0.70 0.85 0.95 IR 20 10 0.55 1 CJ 220 180 180 180 R JA 75.0 45.0 -55 to +150 -55 to +150

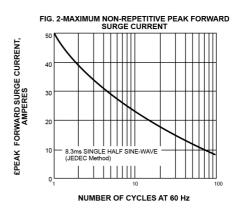
Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C. 2.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas

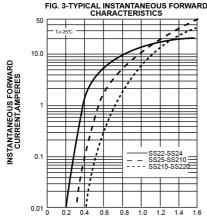
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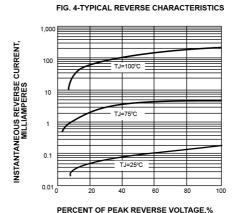


RATINGS AND CHARACTERISTIC CURVES SS22 THRU SS220

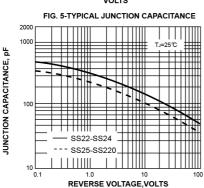


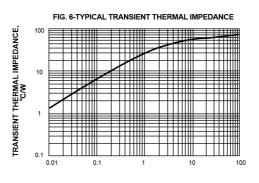












t,PULSE DURATION,sec.

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