



Product data sheet

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SMA

FEATURES

- * Ideal for surface mount applications
- * Easy pick and place
- * Built-in strain relief
- * Low forward voltage drop

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Metallurgically bonded construction
- * Polarity: Color band denotes cathode end
- * Mounting position: Any
- * Weight: 0.063 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature uniess otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER	SS22	SS23	SS24	SS25	SS26	SS28	SS29	SS210	UNITS
Maximum Recurrent Peak Reverse Voltage		30	40	50	60	80	90	100	V
Maximum RMS Voltage		21	28	35	42	56	63	70	V
Maximum DC Blocking Voltage	20	30	40	50	60	80	90	100	V
Maximum Average Forward Rectified Current			•						
See Fig. 1				2	2.0				A
Peak Forward Surge Current, 8.3 ms single half sine-	wave								
superimposed on rated load (JEDEC method)		50						А	
Maximum Instantaneous Forward Voltage at 2.0A		0.55 0.70 0.85				V			
Maximum DC Reverse Current Ta=25°C			0.1				0.02		mA
at Rated DC Blocking Voltage Ta=100°	c l		5				2		mA
Typical Junction Capacitance (Note1)		170						pF	
Typical Thermal Resistance R JA (Note 2)		75						°C/W	
Operating Temperature Range T		-65+150						°C	
Storage Temperature Range Tstc		-65-+150						°C	

NOTES:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance Junction to Ambient.





RATING AND CHARACTERISTIC CURVES (SS22 THRU SS210)

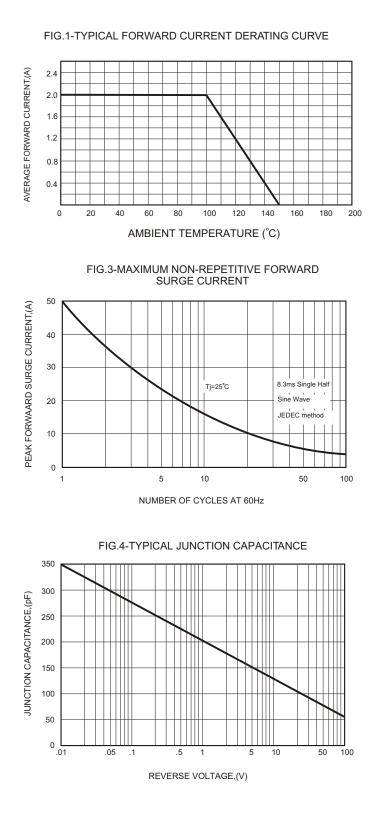
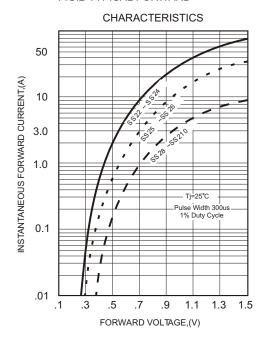
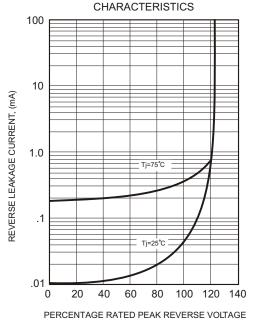


FIG.2-TYPICAL FORWARD



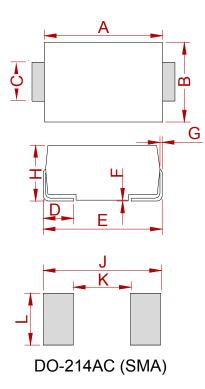








PACKAGE MECHANICAL DATA



	Dimensions						
Ref.	Millin	neters	Inches				
	Min.	Max.	Min.	Max.			
А	4.25	4.65	0.167	0.183			
В	2.50	2.90	0.098	0.114			
С	1.35	1.65	0.053	0.065			
D	0.76	1.52	0.030	0.060			
Е	4.93	5.28	0.194	0.208			
F	0.051	0.203	0.002	0.008			
G	0.15	0.31	0.006	0.012			
Н	1.98	2.41	0.078	0.095			
J	6.50		0.256				
К		2.30		0.090			
L	1.70		0.067				

REEL SPECIFICATION

P/N	PKG	QTY
SS22 THRU SS210	SMA	2000



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