



Product data sheet

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SS32-MS THRU SS310-MS HF

Semiconductor Compiance



FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications
- Low reverse leakage
 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: DO-214AC Terminals: leads solderable per MIL-STD-750, Method 2026 Polarity: Color band denotes cathode end Mounting Position: Any Weight:0.002 ounce, 0.07 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%.

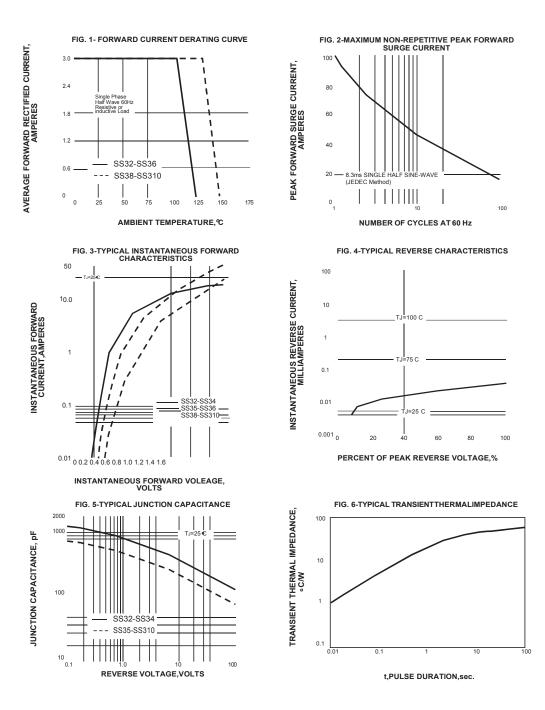
	SYMBOLS	SS32-MS	SS34-MS	SS36-MS	SS310-MS	UNITS
Maximum repetitive peak reverse voltage	Vrrm	20	40	60	100	VOLTS
Maximum RMS voltage	Vrms	14	28	42	70	VOLTS
Maximum DC blocking voltage	VDC	20	40	60	100	VOLTS
Maximum average forward rectified current at TL(see fig.1)	l(AV)	3.0			Amps	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	Ігѕм	100.0		Amps		
Maximum instantaneous forward voltage at 3.0A	VF	0.5	5	0.70	0.85	Volts
Maximum DC reverse current TA=25 C		0.5		mA		
at rated DC blocking voltage TA=100 C	lR	20		10		
Typical junction capacitance (NOTE 1)	CJ	500 300		00	pF	
Typical thermal resistance (NOTE 2)	Reja	55.0		C/W		
Operating junction temperature range	TJ,	-50 to +125 -50 to +150		-50 to +150	°C	
Storage temperature range	Тѕтс	-50 to +150		°C		

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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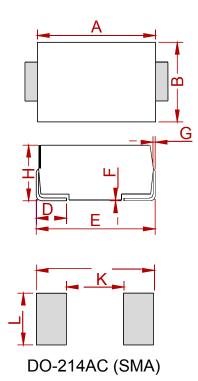
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PACKAGE MECHANICAL DATA



	Dimensions					
Ref.	Millimeters		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		
E	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
SS32-MS THRU SS310-MS	SMA	2000



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