MSKSEMI 美森科













ESD

TVS

TSS

MOV

GDT

PLED

SS32-MS THRU SS3200-MS

Product specification



SS32-MS THRU SS3200-MS

Features

- The plastic package carries Underwriters
 LaboratoryFlammability 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/SMA molded plastic body

• Terminals : Solderable per MIL-STD-750, Method 2026

Polarity: Color band denotes cathode end Mounting

Position: Any

Weight: 0.0018 ounce, 0.064 grams

Reference News

DO-214AC/SMA	Schematic Diagram

Marking

SS32-MS	SS33-MS	SS34-MS	SS35-MS	SS36-MS
SS32	SS33	SS34	SS35	SS36
SS38-MS	SS310-MS	SS3150-MS	SS3200-MS	
SS38	SS310	SS3150	SS3200	

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%.

Parameter	SYMBOLS	SS32 -MS	SS33 -MS	SS34 -MS	SS35 -MS	SS36 -MS	SS38 -MS	SS310 -MS	SS3150 -MS	SS3200 -MS	UNITS
Maximum repetitive peak reverse voltage	Vrrm	20	30	40	50	60	80	100	150	200	V
Maximum RMS voltage	VRMS	14	21	28	35	42	56	70	105	140	V
Maximum DC blocking voltage	VDC	20	30	40	50	60	80	100	150	200	V
Maximum average forward rectified current at TL(see fig.1)	l(AV)	AV) 3.0					А				
Peak forward surge current											
8.3ms single half sine-wave		I _{FSM} 80							A		
superimposed onrated load (JEDEC Method)											
Maximum instantaneous forward voltage at 3.0A	VF	V _F 0.55		0	0.70		0.85		0.95	V	
Maximum DC reverse current Ta=25°C	0.5			0.5							
at rated DCblocking voltage T _A =125℃	l _R	5		3			3.0	mA			
Typical junction capacitance (NOTE 1)	C¹	CJ 250			180					pF	
Typical thermal resistance (NOTE 2)	Reja 70			°C/W							
Operating junction temperature range	TJ	T _J -55 to +125				$^{\circ}\!\mathbb{C}$					
Storage temperature range	Тѕтс	Tsre -55 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



Typical Characterisitics

Fig.1 Forward Current Derating Curve

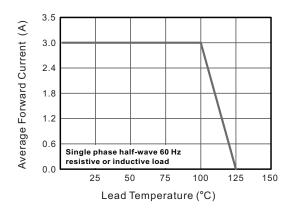


Fig.2 Typical Reverse Characteristics

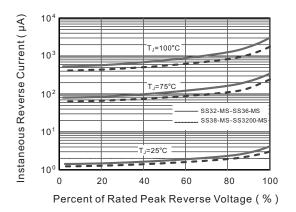


Fig.3 Typical Forward Characteristic

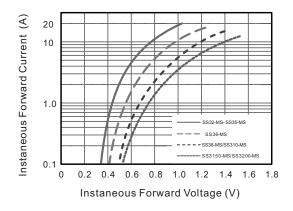


Fig.4 Typical Junction Capacitance

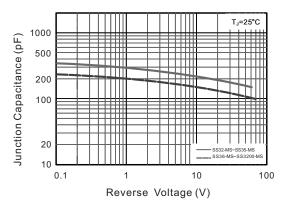


Fig.5 Maximum Non-Repetitive Peak Forward Surage Current

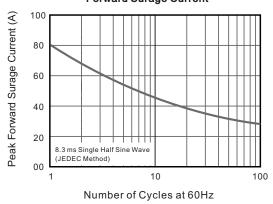
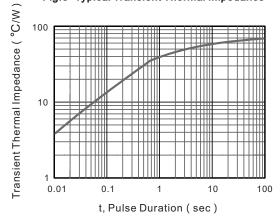
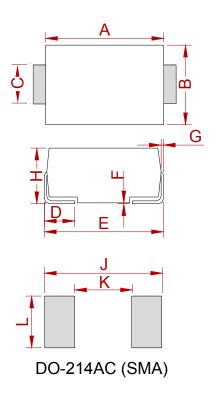


Fig.5- Typical Transient Thermal Impedance





PACKAGE MECHANICAL DATA



	Dimensions				
Ref.	Millimeters		Inches		
	Min.	Max.	Min.	Max.	
Α	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		
K		2.30		0.090	
L	1.70		0.067		

REEL SPECIFICATION

P/N	PKG	QTY
SS32-MS THRU SS3200-MS	SMA(DO-214AC)	2000

SS32-MS THRU SS3200-MS

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