MSKSEMI 美森科













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SM320A-MS THRU SM3100A-MS

Product specification



SM320A-MS THRU SM3100A-MS

Features

- For Surface Mounted Applications
- High Temperature Metallurgically Bonded Contacts
- Plastic Material UL Flammability
 Classification 94V-0
- High Reliability
- High Current Capability and Low VF
- Submersible Temperature of 265C for 10 Seconds in Solder Bath

MECHANICAL DATA

- Case: SMA/DO-214AC, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Weight: 0.064 grams (approx.)

Reference News



Marking

SM320A-MS	SM330A-MS	SM340A-MS	SM350A-MS
\$32	S33	\$34	S35
*	*	*	*
SM360A-MS	SM380A-MS	SM390A-MS	SM3100A-MS
S36	S38	S39	S310
*	*	*	*

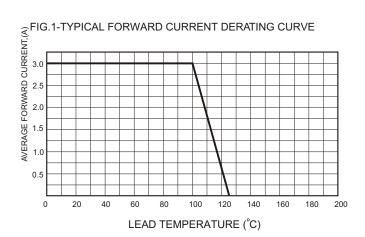
Maximum Ratings and Electrical Characteristics T_A = 25℃ unless otherwise specified

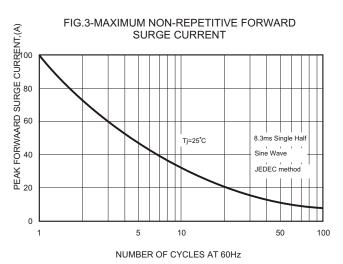
Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

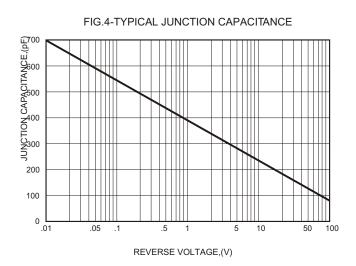
Characteristic	Symbol	SM320A -MS	SM330A -MS	SM340A -MS	SM350A -MS	SM360A -MS	SM380A -MS	SM390A -MS	SM3100A -MS	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	20	30	40	50	60	80	90	100	V
RMS Reverse Voltage	VR(RMS)	14	21	28	35	42	56	64	71	V
Average Rectified Output Current @T _L = 105°C	lo	3.0						Α		
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	100						Α		
Forward Voltage @I _F = 3.0A	VFM		0.55		0.75		0.85			٧
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 100^{\circ}C$	lкм	2.0 20			mA					
Typical Thermal Resistance (Note 1)	Røjl Røja	10 50						°C/W		
Operating Temperature Range	Tj	-65 to +125					°C			
Storage Temperature Range	Тѕтс	-65 to +150					°C			

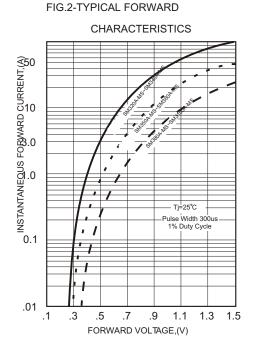
Note: 1. Mounted on P.C. Board with 8.0mm² copper pad area.

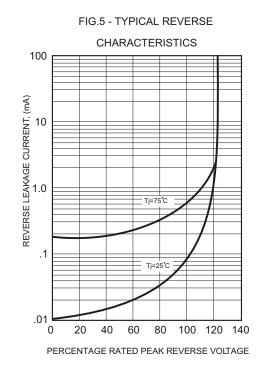
RATINGS AND CHARACTERISTIC CURVES SM320A-MS THRU SM3100A-MS





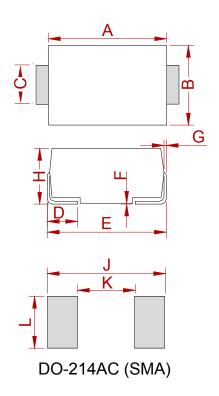








PACKAGE MECHANICAL DATA



	Dimensions					
Ref.	Milli	meters	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		
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			
K		2.30		0.090		
L	1.70		0.067			

REEL SPECIFICATION

P/N	PKG	QTY
SM320A-MS THRU SM3100A-MS	SMA(DO-214AC)	7500



SM320A-MS THRU SM3100A-MS

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