MSKSEMI 美森科













FSD

TV

TSS

MOV

GDT

PIFD

SS24L-MS

Product specification





FEATURES

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

MACHANICAL 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

VOLTAGE RANGE

40 Volts

CURRENT

2.0 Ampere

Reference News

PACKAGE OUTLINE	PIN CONFIGURATION	Marking
SMA		SS24L



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25 C ambient temperature unless otherwies specified.

Single phase half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

TYPE NUMBER		SS24L-MS	UNITS
Maximum Recurrent Peak Reverse Voltage		40	V
Maximum RMS Voltage		28	V
Maximum DC Blocking Voltage		40	V
Maximum Average Forward Rectified Current			
See Fig. 1		2.0	A
Peak Forward Surge Current, 8.3 ms single half si	ne-wave		
superimposed on rated load (JEDEC method)		50	А
Maximum Instantaneous Forward Voltage at 2.0A		0.46	V
Maximum DC Reverse Current	Ta=25 C	0.2	mA
at Rated DC Blocking Voltage	Ta=125°C	50	mA
Typical Junction Capacitance (Note1)		170	pF
Typical Thermal Resistance R JA (Note 2)		88	C/W
Operating Temperature Range T _J		-55 to +125	°C
Storage Temperature Range Tsrs		-55 to +150	"C

NOTES:

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



RATING AND CHARACTERISTIC CURVES (SS24L-MS

FIG. 1-FORWARD CURRENT DERATING CURVE

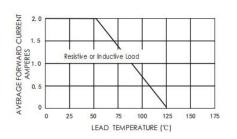


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

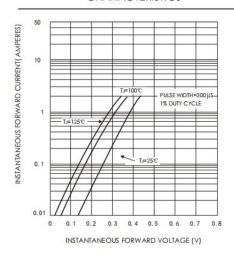


FIG.5-TYPICAL JUNCTION CAPACITANCE

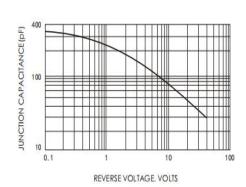


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

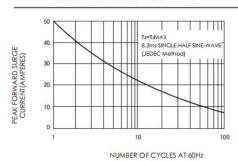
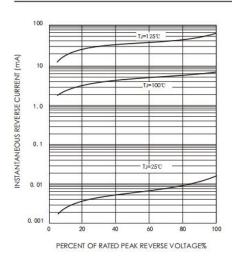
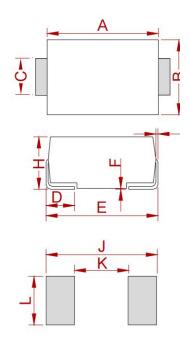


FIG.4-TYPICAL REVERSE CHARACTERISTICS





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
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
SS24L-MS	SMA	2000



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