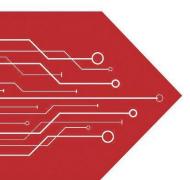
MSKSEMI















ESD

TVS

TSS

MOV

GDT

PLED

Product data sheet

www.msksemi.com





FEATURES

The plastic package carries Underwriters Laboratory Flammability Classification 94V-0 Metal silicon junction, majority carrier conduction Low power loss, high efficiency High forward surge current capability High temperature soldering guaranteed: 250°C/10 seconds, 0.375°(9.5mm) lead length, 5 lbs. (2.3kg) tension



SOD-123FL

MECHANICAL DATA

Case: JEDEC SOD-123FL molded plastic body Terminals: Solderable per MIL-STD-750, Method 2026 Polarity: Color band denotes cathode end

Mounting Position: Any Weight: 0.0007 ounce, 0.02 grams

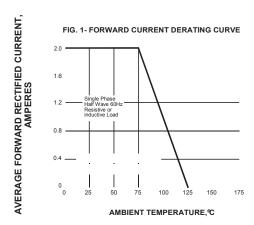
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

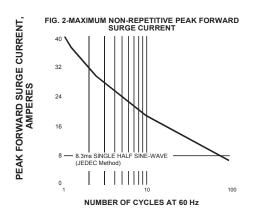
Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

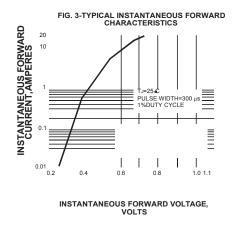
	SYMBOLS	DSK24-MS	6	UNITS
Maximum repetitive peak reverse voltage V _{RRM}		40		VOLTS
Maximum RMS voltage	VRMS	28		VOLTS
Maximum DC blocking voltage	VDC	40		VOLTS
Maximum average forward rectified current	l(AV)	2.0	2.0	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	Ігѕм	40.0	40.0	
Maximum instantaneous forward voltage at 2.0A	VF	0.55		Volts
Maximum DC reverse current Ta=25°C at rated DC blocking voltage Ta=100°C	lR	0.5 10.0		mA
Typical junction capacitance (NOTE 1)	Сı	220		pF
Operating junction temperature range	Тı	-50 to +125	-50 to +150	۰C
Storage temperature range	Тѕтс	-50 to +150		۰C

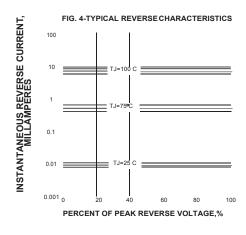
Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

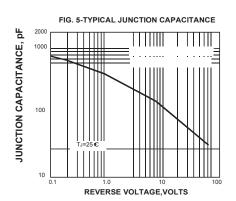
RATINGS AND CHARACTERISTIC CURVES



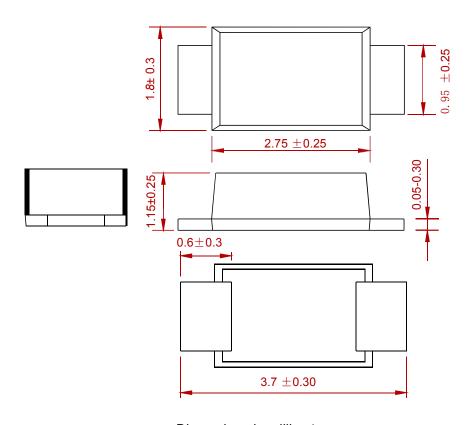






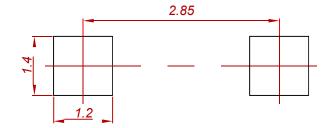


PACKAGE MECHANICAL DATA



Dimensions in millimeters

Suggested Pad Layout



Note:

- 1. Controlling dimension:in millimeters.
- 2.General tolerance:± 0.05mm.
- 3. The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
DSK24-MS	SOD-123FL	3000



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