



Product data sheet

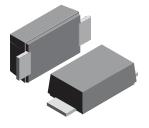
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FEATURES

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



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

SOD-123FL

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%.

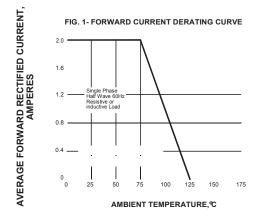
	SYMBOLS	DSK24-M	S	UNITS
Maximum repetitive peak reverse voltage	Vrrm	40		VOLTS
Maximum RMS voltage	Vrms	28		VOLTS
Maximum DC blocking voltage	Vdc	40		VOLTS
Maximum average forward rectified current	l(AV)	2.0	2.0	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	40.0	40.0	
Maximum instantaneous forward voltage at 2.0A	Vf	0.55		Volts
Maximum DC reverse currentTa=25°Cat rated DC blocking voltageTa=100°C	lĸ	0.5 10.0		mA
Typical junction capacitance (NOTE 1)	CJ	220		pF
Operating junction temperature range	TJ	-50 to +125	-50 to +150	۰C
Storage temperature range	Тѕтс	-50 to +150 ° C		۰C

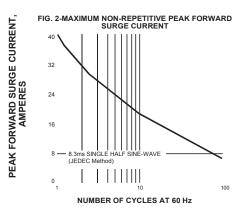
Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

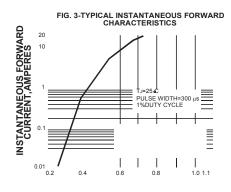




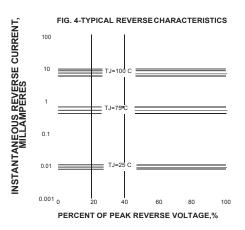
RATINGS AND CHARACTERISTIC CURVES

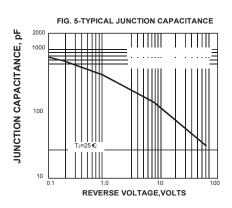






INSTANTANEOUS FORWARD VOLTAGE, VOLTS

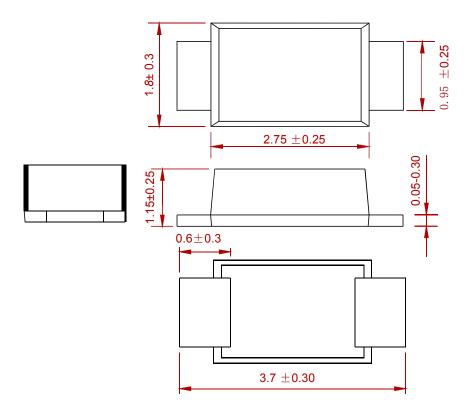






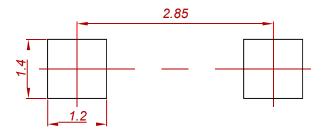


PACKAGE MECHANICAL DATA



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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