



MMSD4148

High Speed Switching Diode

Features

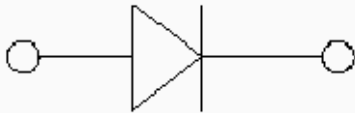
- V_R 100V
- I_{FAV} 200mA

Typical Applications

- Extreme fast switches

Mechanical Data

- **Package:** SOD-123
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end
- **Marking:** 5l



■Maximum Ratings ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Repetitive peak reverse voltage	V_{RRM}	V		100
Peak forward surge current	I_{FSM}	A	$t_p=1\mu s$	2
Average forward current	I_{FAV}	mA		200
Power dissipation	P_{tot}	mW		400
Thermal Resistance	R_{thJA}	/W		312
Maximum junction temperature	T_j			150
Storage temperature range	T_{stg}			-55 to +150

■Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	Conditions	VALUE T
			$V_R = 2.0V$	2.5
	I_R	μA	$V_F = 7.5V$	5

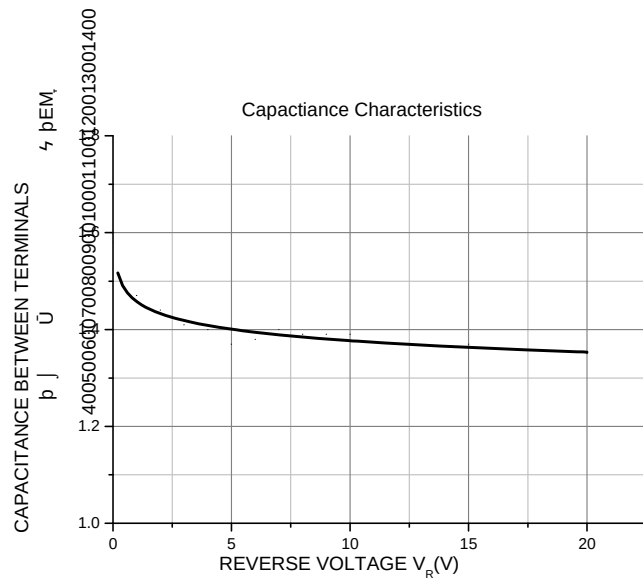


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■ Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MMSD4148	F2	Approximate 0.011	3000	30000	120000	7" reel

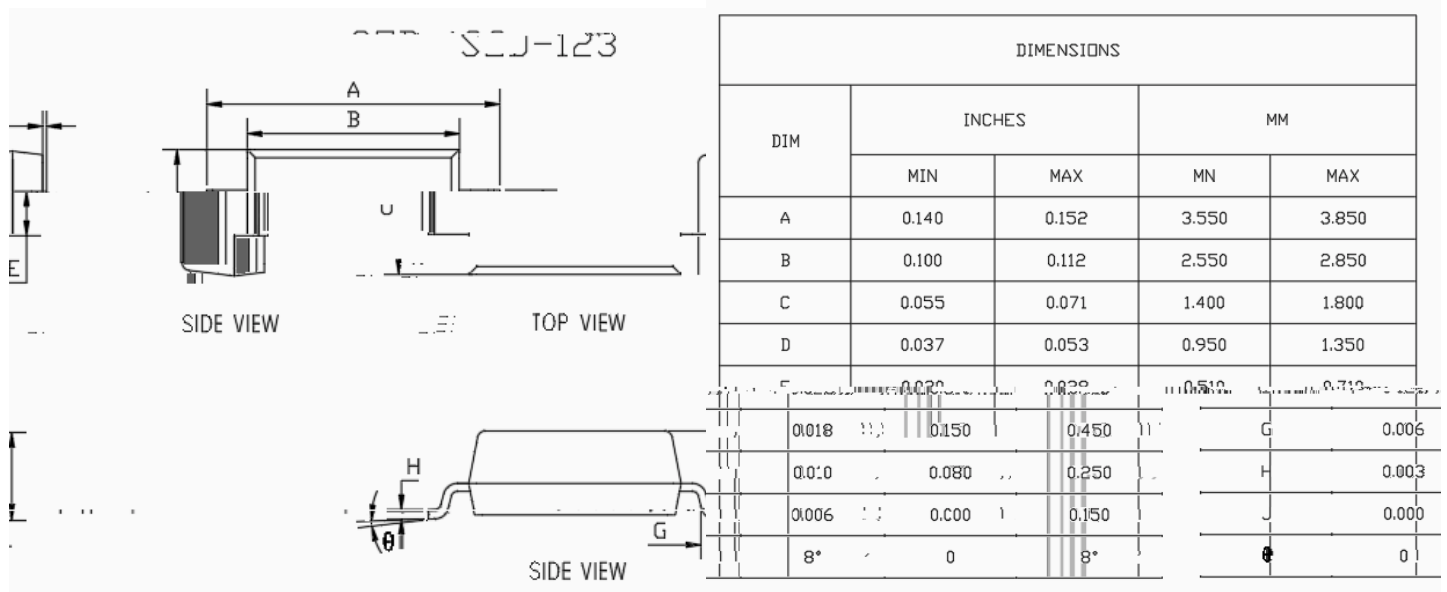
■ Characteristics (Typical)



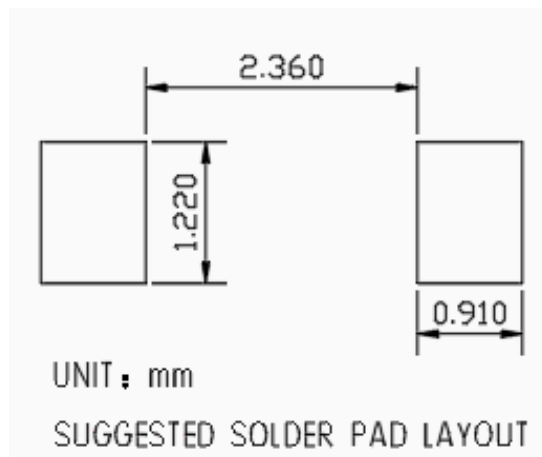


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■ Outline Dimensions



■ Soldering Footprint





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