



SS1040HE SERIES

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE 40-200Volts **CURRENT** 1 Ampere

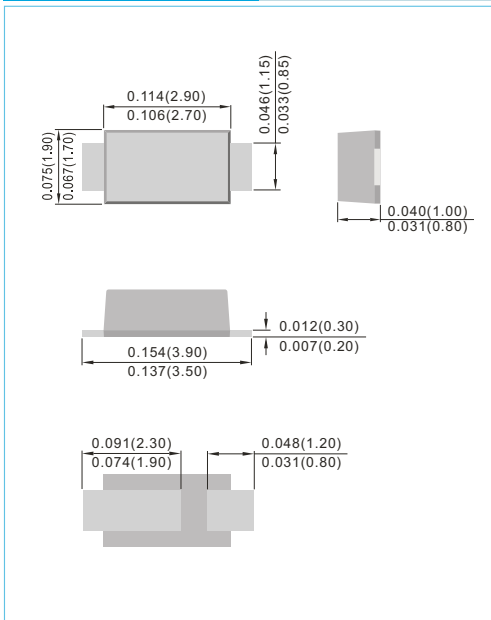
SOD-123HE Unit : inch(mm)

FEATURES

- Fast switching speed
- Surface mount package ideally suited for automatic insertion
- Electrical identical standard JEDEC.
- High conductor
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MECHANICAL DATA

- Case: SOD-123HE, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Apporx. Weight: 0.00015 ounces, 0.00424 grams
- Polarity: Color band denotes cathode end



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

PARAMETER	SYMBOL	SS1040HE	SS1060HE	SS10150HE	SS10200HE	UNITS
Marking Code		EM	EN	ERL	ES	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	40	60	150	200	V
Maximum RMS Voltage	V_{RMS}	28	42	105	140	V
Maximum DC Blocking Voltage	V_R	40	60	150	200	V
Maximum Average Forward Current at Temp=75°C	I_O	1				A
Peak Forward Surge Current: 8.3ms single half sine-wave superimposed on rated load(JEDEC method)	I_{FSM}	30				A
Maximum Forward Voltage at 1A	V_F	0.55	0.7	0.85		V
Maximum DC Reverse Current	I_R	100				μA
Typical Junction capacitance at Vr=0V, f=1MHz	C_J	155	125	85		pF
Typical Thermal Resistance, Junction to Ambient (Note 1) Junction to Case (Note 1)	$R_{\theta JA}$ $R_{\theta JC}$	225 20				°C/W
Operating Junction Temperature and Storage Temperature Range	T_J, T_{STG}	-55 to +150				°C

NOTES:

1. Mounted on 48cm² FR-4 PCB board.