



BAV3004W

HIGH VOLTAGE SURFACE MOUNT SWITCHING DIODE

VOLTAGE 350 Volts **POWER** 410 mWatts **SOD-123** Unit: inch (mm)

FEATURES

- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- High Conductance
- High Reverse Breakdown Voltage Rating
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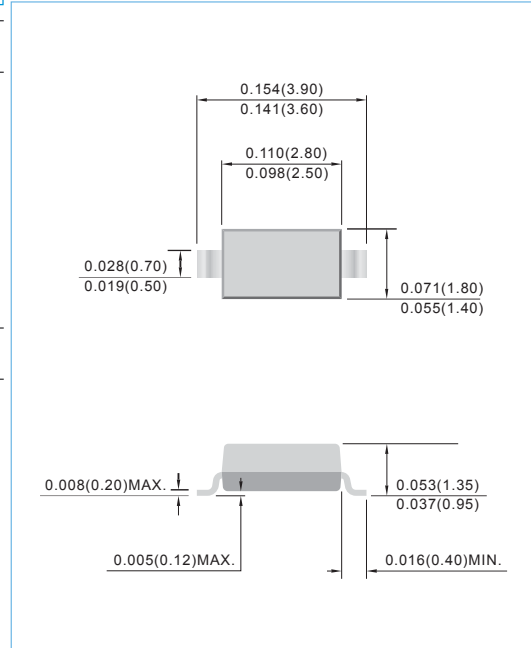
MECHANICAL DATA

Case: SOD-123, Plastic

Terminals: Solderable per MIL-STD-750, Method 2026

Approx. Weight: 0.0103 grams

Marking: 34W



MAXIMUM RATINGS($T_A=25^\circ\text{C}$, unless otherwise specified)

CHARACTERISTIC	SYMBOL	VALUE	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	350	V
RMS Reverse Voltage	$V_{R(RMS)}$	240	V
Forward Continuous Current (Note 1)	I_F	200	mA
Non-Repetitive Peak Forward Surge Current @ $t=1.0\mu\text{s}$ @ $t=1.0\text{s}$	I_{FSM}	4.0 1.0	A
Power Dissipation (Note 1)	P_d	410	mW
Thermal Resistance Junction to Ambient Air (Note 1)	$R_{\theta JA}$	500	$^\circ\text{C/W}$
Operating and Storage Temperature Range	T_J, T_{STG}	-65 to + 150	$^\circ\text{C}$

Notes : 1. Part mounted on FR-4 board with recommended pad layout.