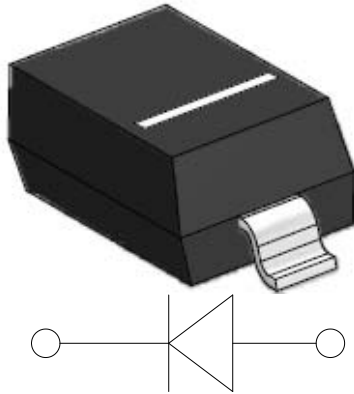


Schottky Rectifier



Features

- VR 30V
- I_F AV 0.2A
- Moisture Sensitivity Level 1

Mechanical Data

- **Package:** SOD123G
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end
- **Marking:** L9

■Maximum Ratings ($T_a=25^\circ\text{C}$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	VALUE
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	V	30
DC Blocking Voltage	V_R	V	30
Peak forward surge current (8.3ms, half sine)	I_{FSM}	A	0.6A
Average forward current	I_{FAV}	A	0.2
Power dissipation	P_{tot}	mW	500
Maximum junction temperature	T_j	$^\circ\text{C}$	-55 to +125
Storage temperature range	T_{stg}	$^\circ\text{C}$	-55 to +150

■Ordering Information (Example)

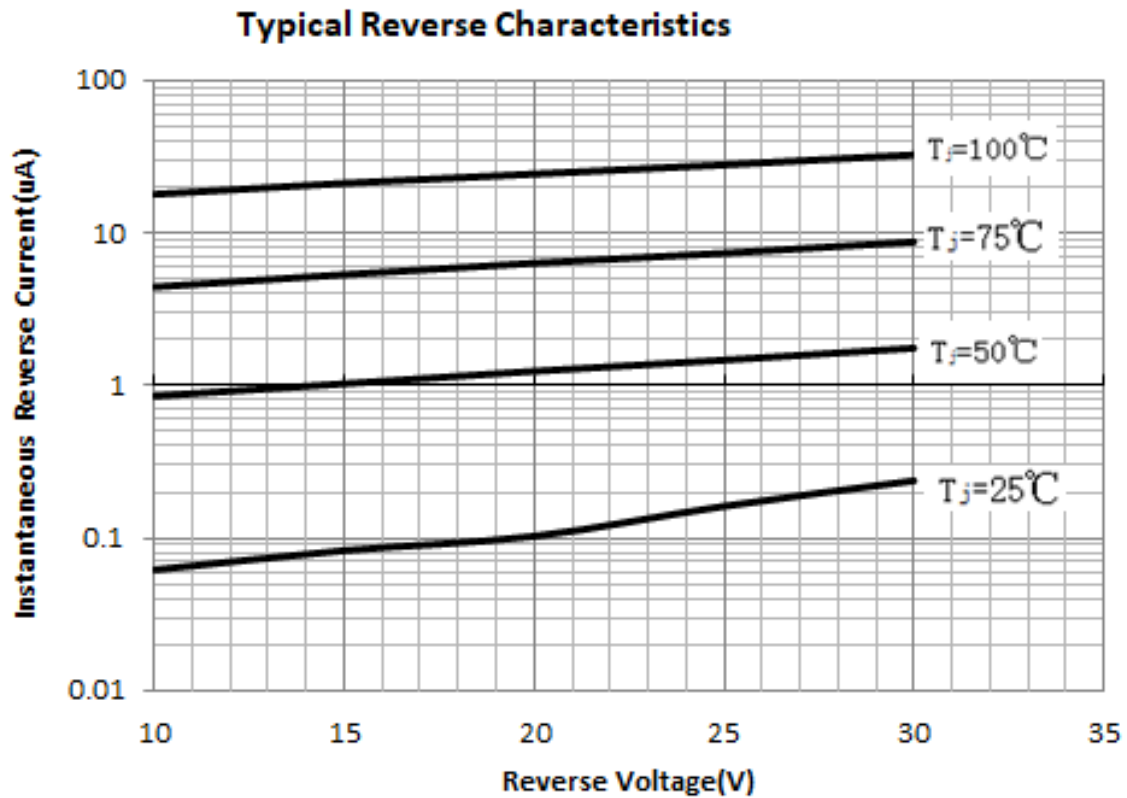
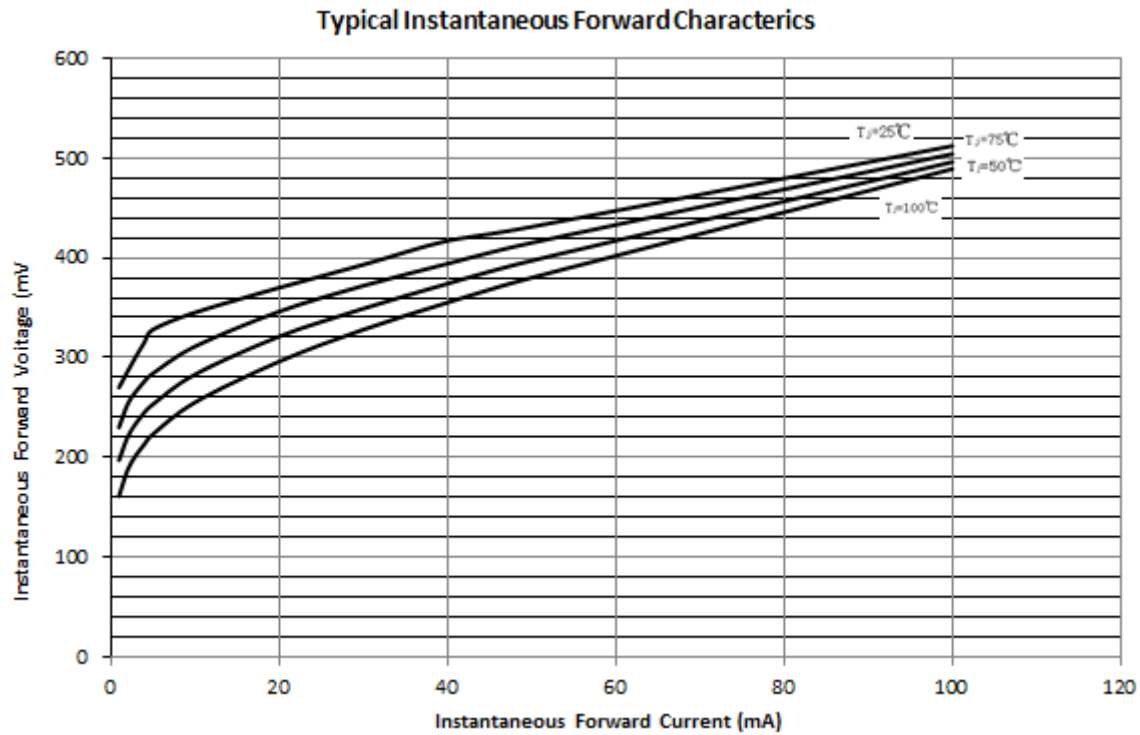
PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAT54W	F2	Approximate 0.011	3000	30000	120000	7" reel

■Electrical Characteristics ($T_a=25^\circ\text{C}$ Unless otherwise specified)

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Breakdown Voltage	V_R	V	$I_R=100\mu\text{A}$	30		
Forward Voltage	V_F	V	$I_F=0.1\text{mA}$			0.24
			$I_F=1\text{mA}$			0.32
			$I_F=10\text{mA}$			0.4
			$I_F=30\text{mA}$			0.5
			$I_F=100\text{mA}$			1.0
Reverse Leakage Current	I_R	μA	$V_R=25\text{V}$			2
Typical Junction Capacitance	C_J	pF	$V_R=1\text{V}, f=1\text{MHz}$			10



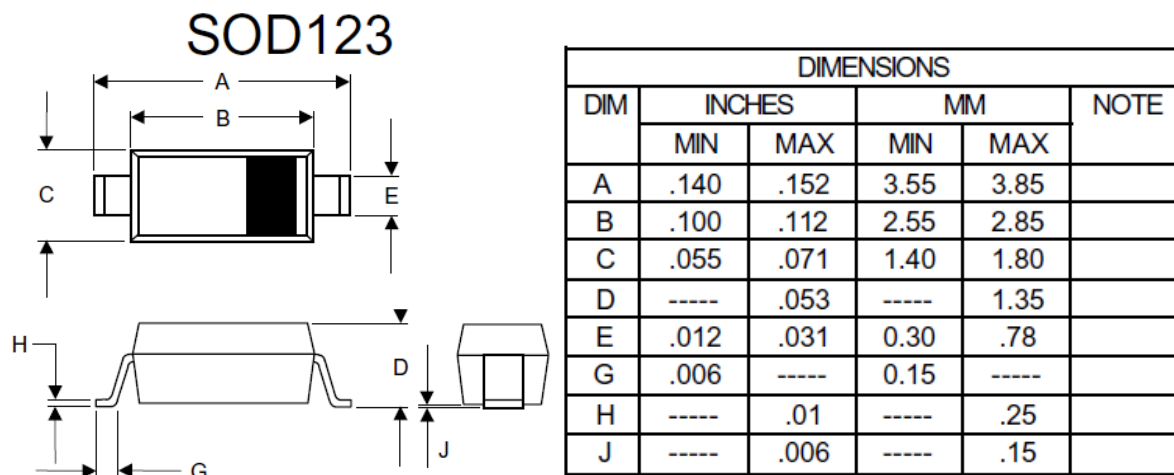
■ Characteristics (Typical)



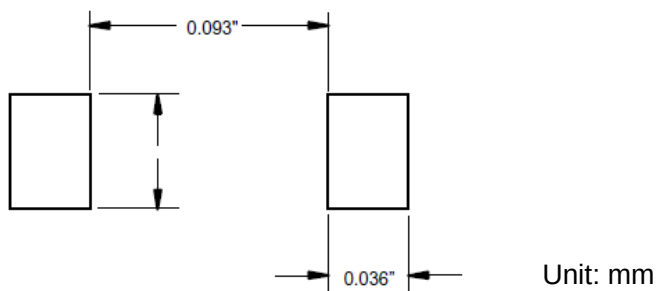


BAT54W

■ Outline Dimensions



■ Soldering Footprint





Disclaimer

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