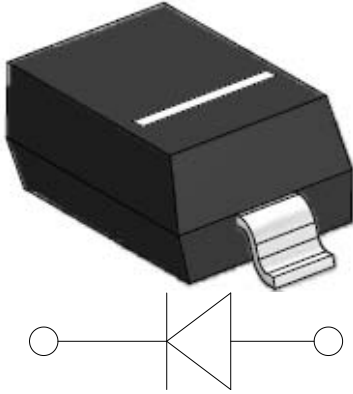


## Schottky Rectifier



### 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)

PREFERRED 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

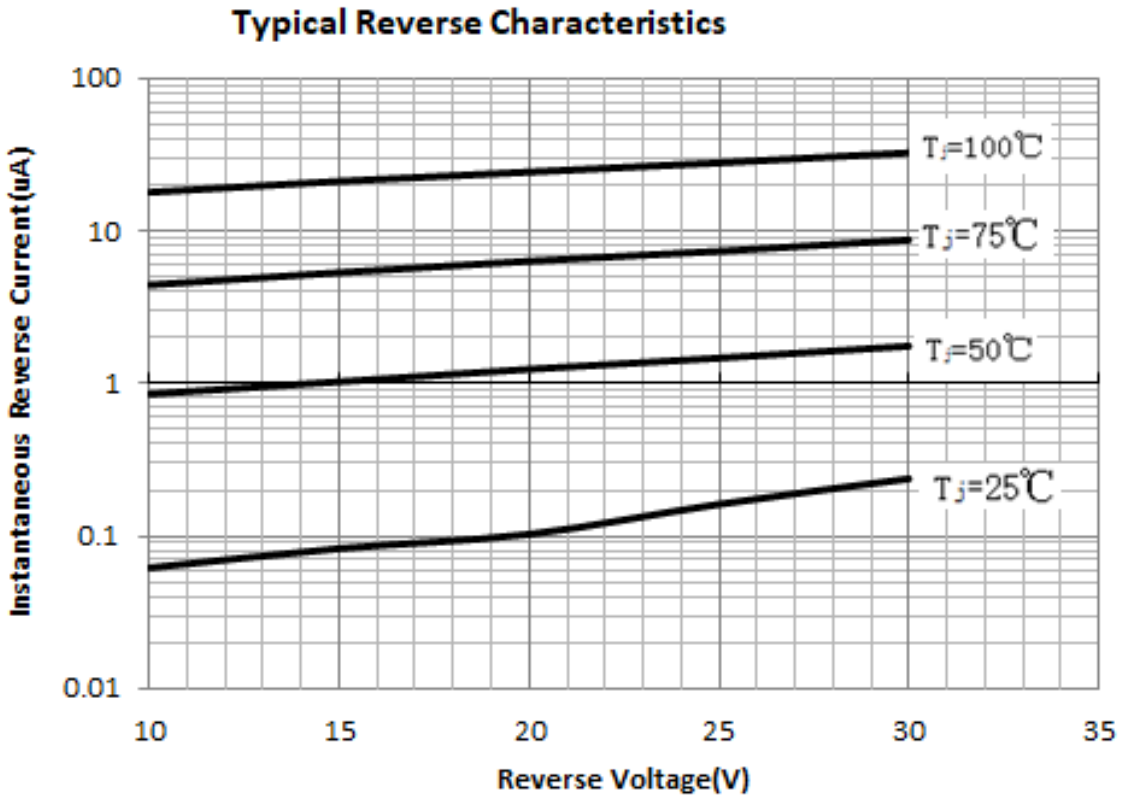
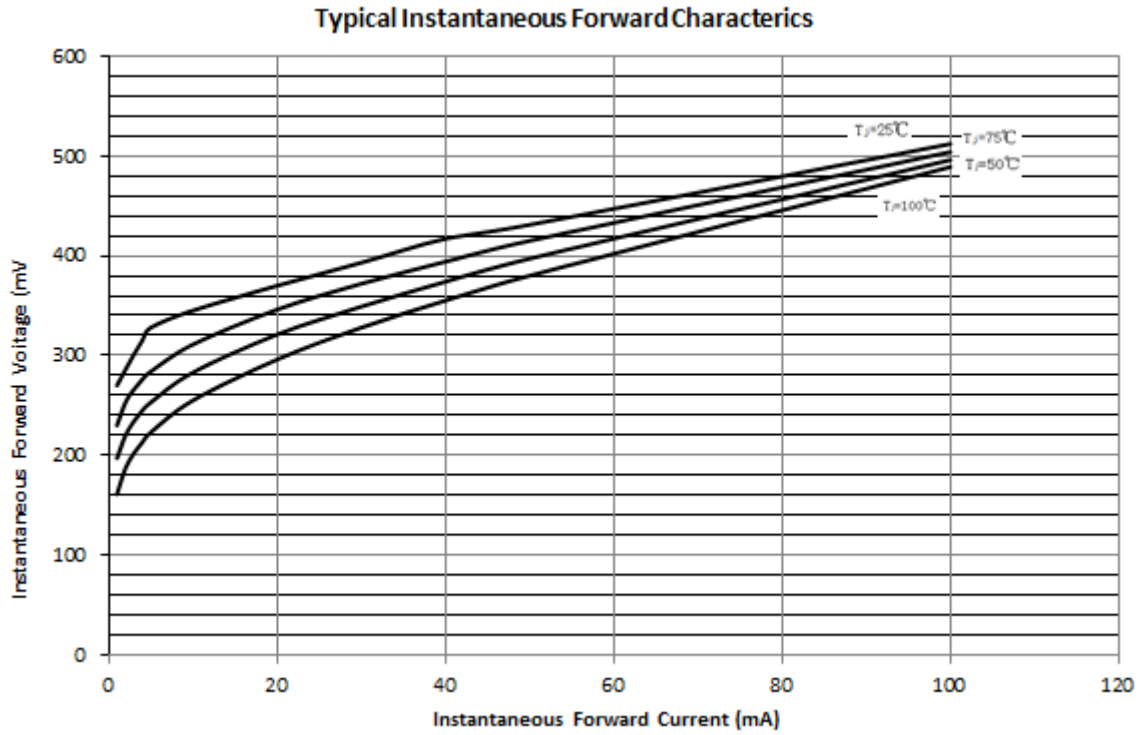
### ■Electrical Characteristics ( $T_a=25^\circ\text{C}$ Unless otherwise specified)

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	$I_R$	$\mu\text{A}$	$V_R=25\text{V}$			2
Typical Junction Capacitance	$C_J$	pF	$V_R=1\text{V}, f=1\text{MHz}$			10



# BAT54W

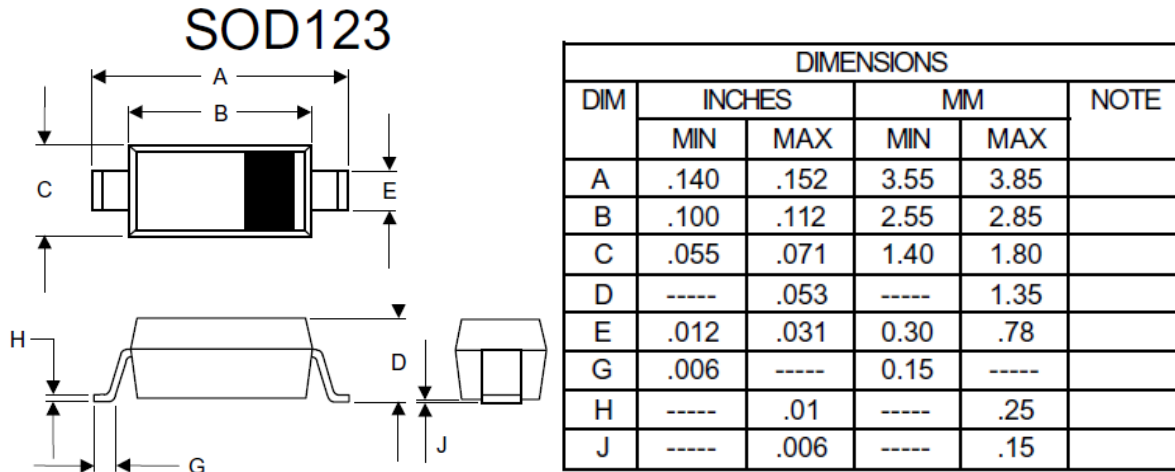
## ■ Characteristics (Typical)



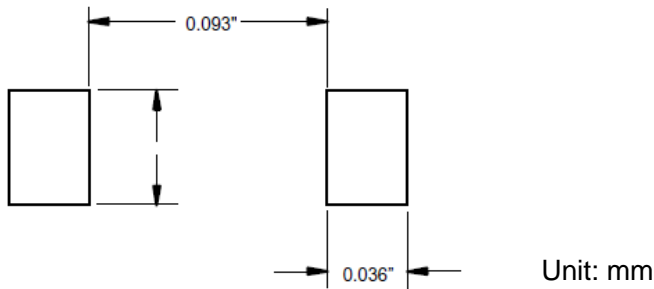


# BAT54W

## ■ Outline Dimensions



## ■ Soldering Footprint





## BAT54W

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### Disclaimer

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