



BAT54TG

SURFACE MOUNT SCHOTTKY BARRIER

VOLTAGE 30 Volts **CURRENT**

FEATURES

- Low turn-on voltage
- Fast switching
- PN Junction Guard Ring for Transient and ESD Protection.
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MECHANICAL DATA

- Case: SOD-723, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: gram

SOD-723

Unit: inch (mm)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. For capacitive load, derate current by 20%.

Parameter	Symbol	BAT54TG	Units
Marking Code	-	BA	
Peak Repetitive Reverse Voltage	V_{RRM}	30	V
Maximum Average Forward Current at $T_A=75^{\circ}C$	$I_{F(AV)}$	0.2	A
Peak Forward Surge Current, 1.0s single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	0.6	A
Maximum Instantaneous Forward Voltage	V_F	0.32 @ $I_F=0.001A$ 1.0 @ $I_F=0.1A$	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	0.002 @ $V_R=25V$	mA
Junction Capacitance at $V_R=1V$	C_J	10	pF
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	667	k / W
Operating Junction Temperature Range	T_J	-55 TO +125	°C
Storage Temperature Range	T_{STG}	-55 TO +125	°C