

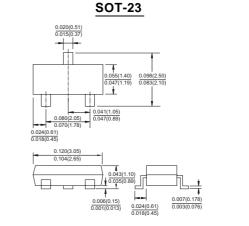
Features

- Low turn-on voltage
- Fast switching
- PN junction guard ring for transient and ESD protection

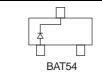
Mechanical Data

- Case: SOT-23, Molded plastic
- Terminals: Solderable per MIIL-STD-202,

Method 208



Dimensions in inches and (millimeters)









Maximum Ratings T_A=25℃ unless otherwise specified

Type Number	Symbol	Value	Units
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	30	V
Forward Continuous Current	lF	200	mA
Repetitive Peak Forward Current	lғм	300	mA
Forward Surge Current @ t=1.0s	IFSM	600	mA
Power Dissipation (Note 1)	Pd	200	mW
Thermal Resistance Junction to Ambient Air	R heta JA	500	°C /W
Operating and Storage Temperature Range	T_J, T_{STG}	-65 to + 125	°С

Electrical Characteristics

Type Number		Symbol	Min	Тур	Max	Units	
Reverse Breakdown Voltag	ge (Note 1)	V(BR)R	30	-	-	V	
Reverse Leakage Current (Note 1) VR=25V		lr	-	-	2.0	uA	
Forward Voltage (Note 1)	IF=0.1mA IF=1.0mA IF= 10mA IF = 30mA IF=100mA	VF	-	-	240 320 400 500 1000	mV	
Junction Capacitance V	R=0, f=1.0MHz	Cj	-	-	10	pF	
Reverse Recovery Time (Note 2)		trr	-	-	5.0	nS	

Notes: 1. Short Duration Pulse Test used to Minimize Self-Heating Effect.

2. Reverse Recovery Test Conditions: IF=10mA through IR=10mA to IR=1.0mA, RL=100 Ω .

