

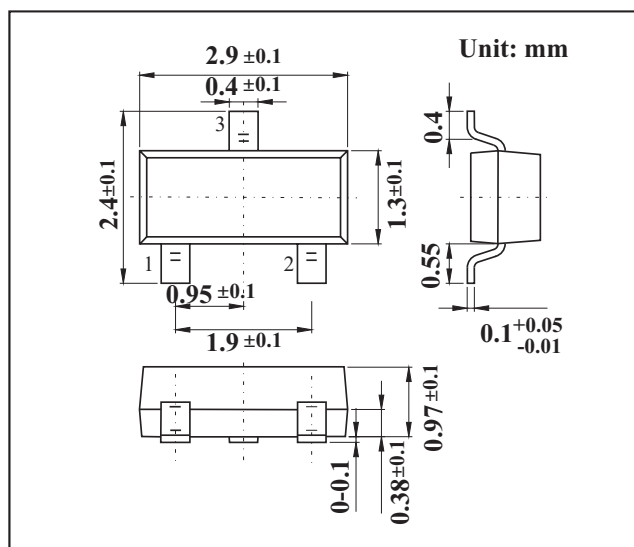
SOT-23 Small Signal Switching Diodes

FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- High reliability
- High temperature soldering guaranteed: 260 °C/10 seconds at terminals
- Component in accordance to RoHS 2015/863 and WEEE 2012/19/EU

MECHANICAL DATA

- Case style: SOT-23 molded plastic
- Mounting position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Parameter	Symbol	Rating	Unit
Maximum Repetitive Reverse Voltage	V _{RRM}	75	V
Average Rectified Forward Current	I _{F(AV)}	200	mA
Non-repetitive Peak Forward Surge Current Pulse Width = 1.0 second Pulse Width = 1.0 microsecond	I _{FSM}	1.0 2.0	A A
Power Dissipation	P _D	350	mW
Thermal Resistance, Junction to Ambient	R _{θJA}	357	°C/W
Storage Temperature Range	T _{stg}	- 5 5 t o + 1 5 0	°C
Operating Junction Temperature	T _J	- 5 5 t o + 1 5 0	°C

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Breakdown Voltage	V _R	I _R = 100 A _μ	75			V
Forward Voltage	V _F	I _F = 5 0 m A			1.0	V
		I _F = 100 m A			1.2	V
Reverse Current	I _R	V _R = 50 V			100	nA
Total Capacitance	C _T	V _R = 0, f = 1.0 MHz			4.0	pF
Reverse Recovery Time	t _{rr}	I _F = I _R = 1 0 m A, I _{RR} = 1.0 mA, R _L = 100 Ω			4.0	ns

RATINGS AND CHARACTERISTIC CURVES

