

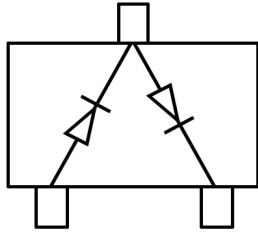
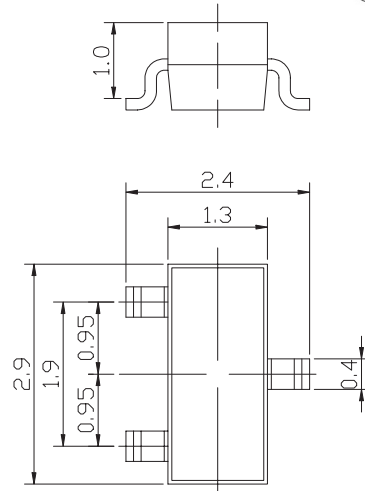
**SWITCHING DIODES**

VOLTAGE RANGE: 80 VOLTS

CURRENT: 0.1 AMPERES

**FEATURES**

ULTRA HIGH SPEED SWITCHING APPLICATION


**MARKING: C3**
**SOT-23**


UNIT:mm

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings at 25°C ambient temperature unless otherwise specified.

**MAXIMUM RATINGS**

Parameters	Symbols	Value	UNITS
Reverse Voltage	$V_R$	80	V
Forward Surge Current	$I_{FSM}$	100	mA
Power Dissipation	$P_{tot}$	150	mW
Junction Temperature	$T_J$	125	°C
Storage Temperature Range	$T_{STG}$	-55---+150	°C

**ELECTRICAL CHARACTERISTICS**

Parameters	Symbols	Min.	Max.	UNITS
Forward Voltage at $I_F=100mA$	$V_F$		1.2	V
Leakage Current at $V_R=80V$	$I_R$		0.5	$\mu A$
Reverse Breakdown Voltage Tested with 100 $\mu A$ Pulses	$V_{(BR)}$	80		V
Capacitance at $V_F = V_R = 0V, f=1MHz$	$C_{tot}$		3	pF
Reverse Recovery Time $I_F= I_R = 10mA$	$t_{rr}$		4	ns

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