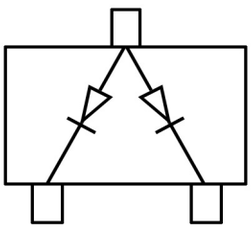
SWITCHING DIODES

VOLTAGE RANGE: 80 VOLTS
CURRENT: 0.1 AMPERES

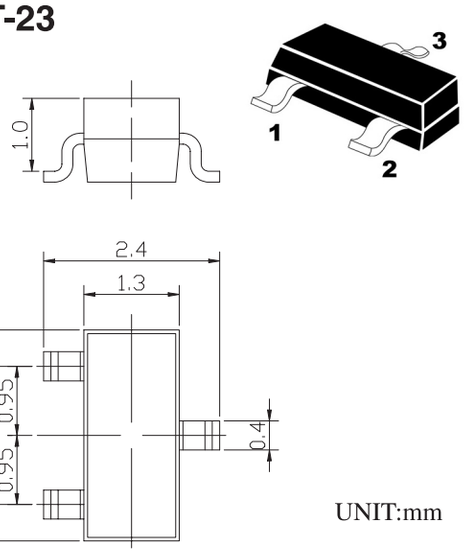
FEATURES

ULTRA HIGH SPEED SWITCHING APPLICATION



MARKING: A3

SOT-23



UNIT:mm

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ 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	℃
Storage Temperature Range	T_{STG}	-55---+150	℃

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	μA
Reverse Breakdown Voltage Tested with 100μA Pulses	$V_{(BR)}$	80		V
Capacitance at V_F = V_R =0V, f=1MHz	C_{tot}		4	pF
Reverse Recovery Time I_F= I_R =10mA	t_{rr}		4	ns

RoHS Pb-free TIP Semiconductor