



SOT-23 Plastic-Encapsulated Diodes

BAL99LT1 SWITCHING DIODE

FEATURES

Power dissipation

P_D : 225 mW ($T_{amb}=25^{\circ}C$)

Forward Current

I_F : 100 mA

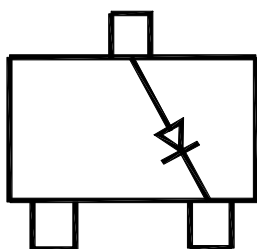
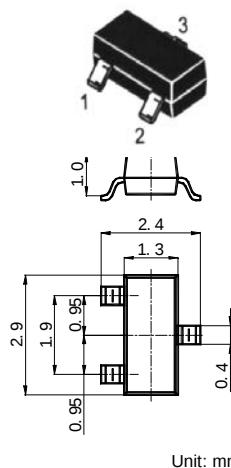
Reverse Voltage

V_R : 70 V

Operating and storage junction temperature range

T_J, T_{stg} : $-55^{\circ}C$ to $+150^{\circ}C$

SOT-23



Marking JF

ELECTRICAL CHARACTERISTICS ($T_{amb}=25^{\circ}C$ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R = 100\mu A$	70		V
Reverse voltage leakage current	I_R	$V_R = 70V$		2.5	μA
Forward voltage	V_F	$I_F = 1mA$ $I_F = 10mA$ $I_F = 50mA$ $I_F = 150mA$		715 855 1000 1250	mV
Diode capacitance	C_D	$V_R = 0V, f = 1MHz$		1.5	pF
Reverse recovery time	t_{rr}			6	nS