



SOT-23 Plastic-Encapsulate Diodes

MC2838

SWITCHING DIODE

FEATURES

Power dissipation

P_D : 150 mW ($T_{amb}=25^\circ\text{C}$)

Forward Current

I_F : 300 mA

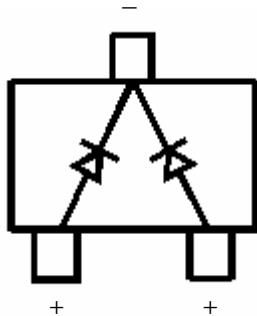
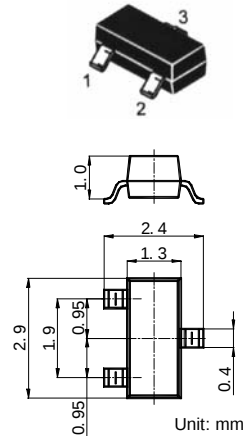
Reverse Voltage

V_R : 50 V

Operating and storage junction temperature range

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

SOT-23



Marking: A61

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

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R=100\mu\text{A}$	50		V
Reverse voltage leakage current	I_R	$V_R=50\text{V}$		0.1	μA
Forward voltage	V_F	$I_F=10\text{mA}$ $I_F=50\text{mA}$ $I_F=100\text{mA}$		0.9 1 1.2	V
Diode capacitance	C_D	$V_R=0\text{V}, f=1\text{MHz}$		4	pF
Reverse recovery time	t_{rr}	$I_F=I_R=10\text{mA}, I_{RR}=0.1\times I_R$		3	nS