



SOT-23 Plastic-Encapsulate Diodes

MC2836

SWITCHING DIODE

FEATURES

Power dissipation

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

Forward Current

I_F : 300 mA

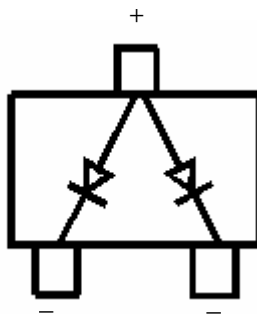
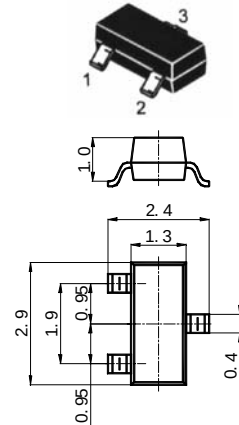
Reverse Voltage

V_R : 50 V

Operating and storage junction temperature range

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

SOT-23



Marking: A41

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

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