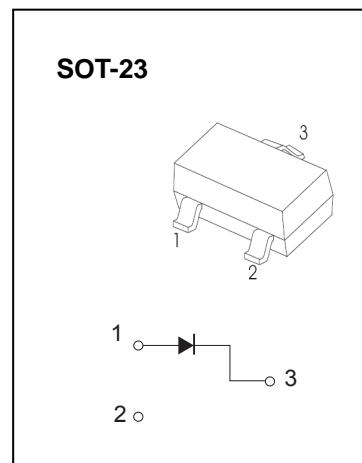


**SWITCHING DIODE****FEATURES**

- Low leakage current applications
- Medium speed switching times

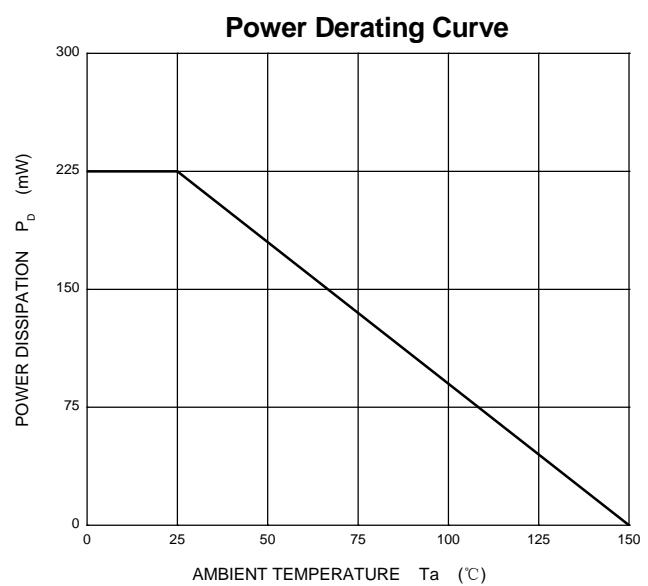
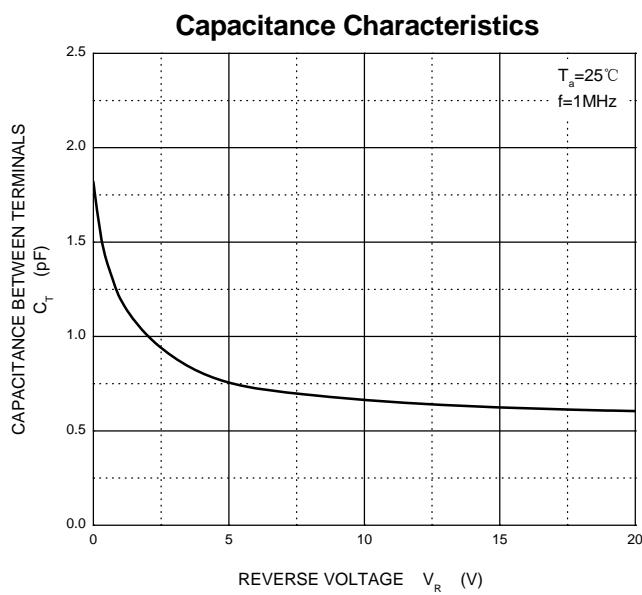
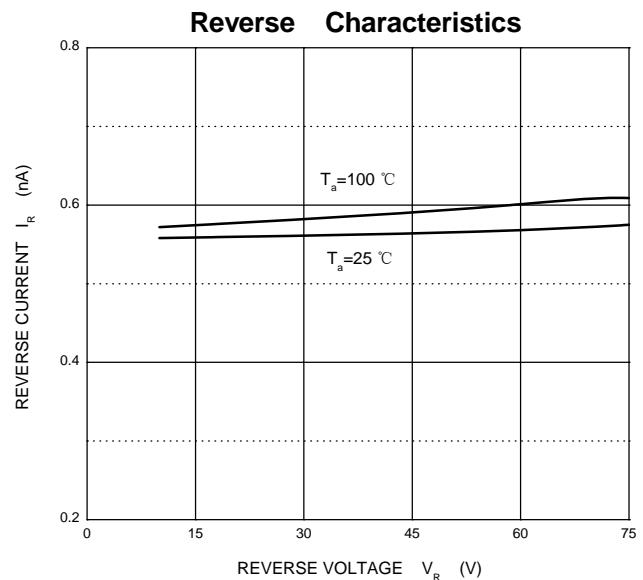
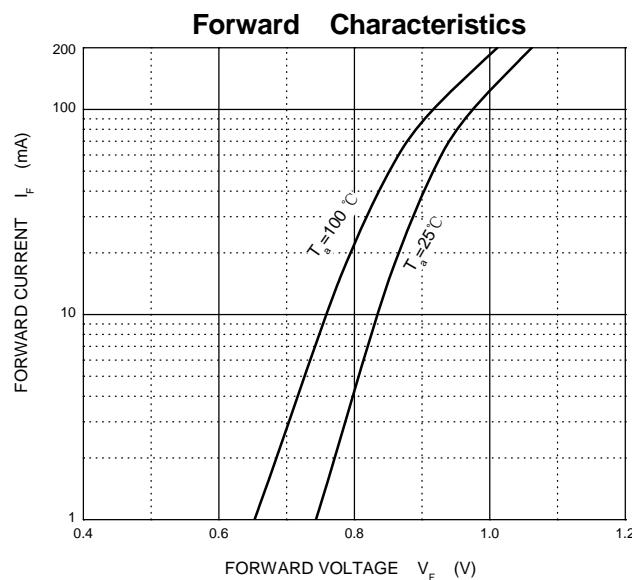
MARKING: JV**Maximum Ratings @Ta=25°C**

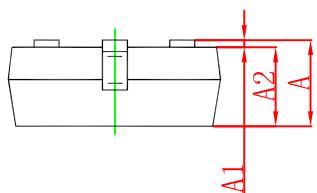
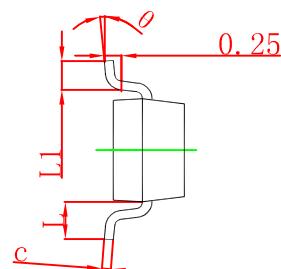
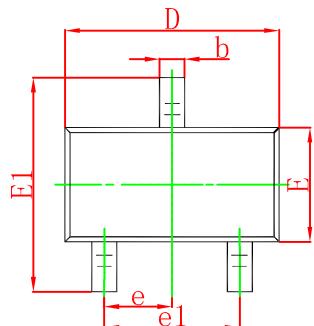
Parameter	Symbol	Limit	Unit
Peak Repetitive Peak Reverse Voltage	V _{RRM}		
Working Peak Reverse Voltage	V _{RWM}	75	V
DC Blocking Voltage	V _R		
Forward Continuous Current	I _{FM}	200	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	I _{FSM}	2.0	A
Power Dissipation	P _D	225	mW
Junction Temperature	T _J	150	°C
Storage Temperature	T _{STG}	-55~+150	°C

Electrical Characteristics @Ta=25°C

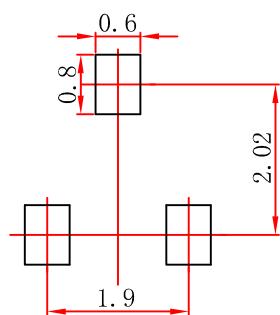
Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Reverse breakdown voltage	V _(BR)	75			V	I _R =100μA
Forward voltage	V _{F1}			0.9	V	I _F =1mA
	V _{F2}			1	V	I _F =10mA
	V _{F3}			1.1	V	I _F =50mA
	V _{F4}			1.25	V	I _F =150mA
Reverse current	I _R			5	nA	V _R =75V
Diode capacitance	C _{tot}		2		pF	V _R =0V,f=1MHz
Reverse recovery time	t _{rr}			3	μs	I _F =I _R =10mA,I _{rr} =0.1×I _R ,R _L =100Ω

Typical Characteristics



SOT-23 Package Outline Dimensions


Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.150	0.035	0.045
A1	0.000	0.100	0.000	0.004
A2	0.900	1.050	0.035	0.041
b	0.300	0.500	0.012	0.020
c	0.080	0.150	0.003	0.006
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
E1	2.250	2.550	0.089	0.100
e	0.950 TYP		0.037 TYP	
e1	1.800	2.000	0.071	0.079
L	0.550 REF		0.022 REF	
L1	0.300	0.500	0.012	0.020
θ	0°	8°	0°	8°

SOT-23 Suggested Pad Layout


Note:

1. Controlling dimension:in millimeters.
2. General tolerance: $\pm 0.05\text{mm}$.
3. The pad layout is for reference purposes only.