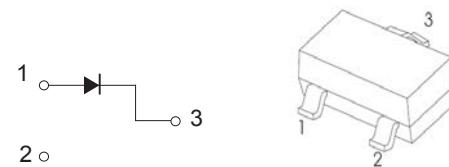
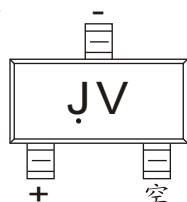


FEATURES

- Low leakage current applications
- Medium speed switching times



MARKING: JV



JV= Device code
Solid dot = Green molding compound device.

SOT-23

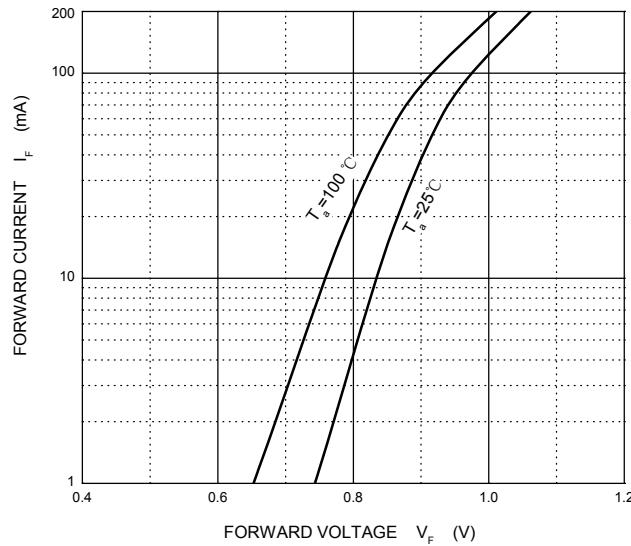
Maximum Ratings @Ta=25°C

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
Operation Junction and Storage Temperature Range	T _{J,T_{STG}}	-55~+150		°C

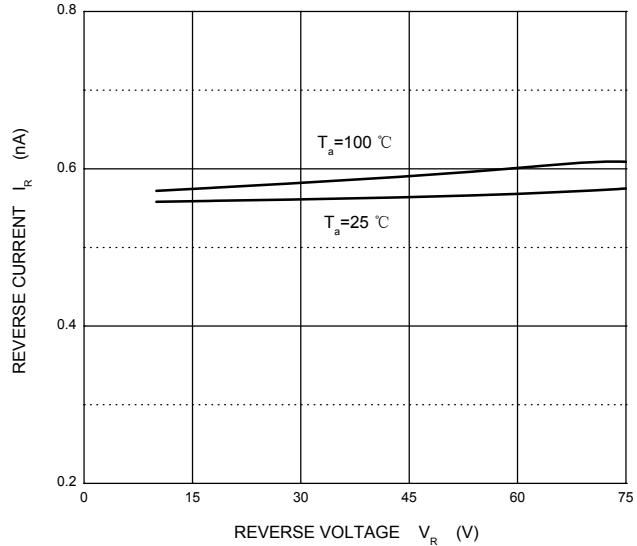
Electrical Characteristics @Ta=25°C

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

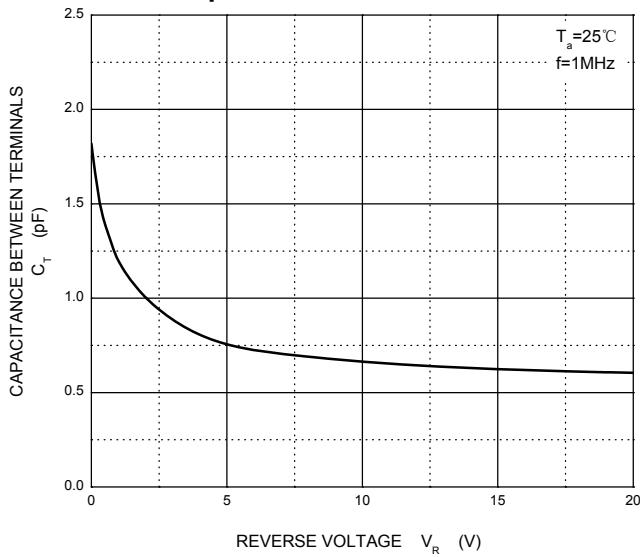
Forward Characteristics



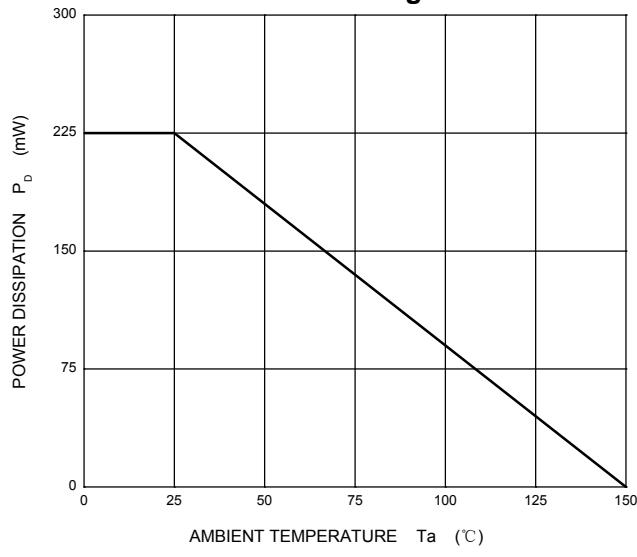
Reverse Characteristics



Capacitance Characteristics



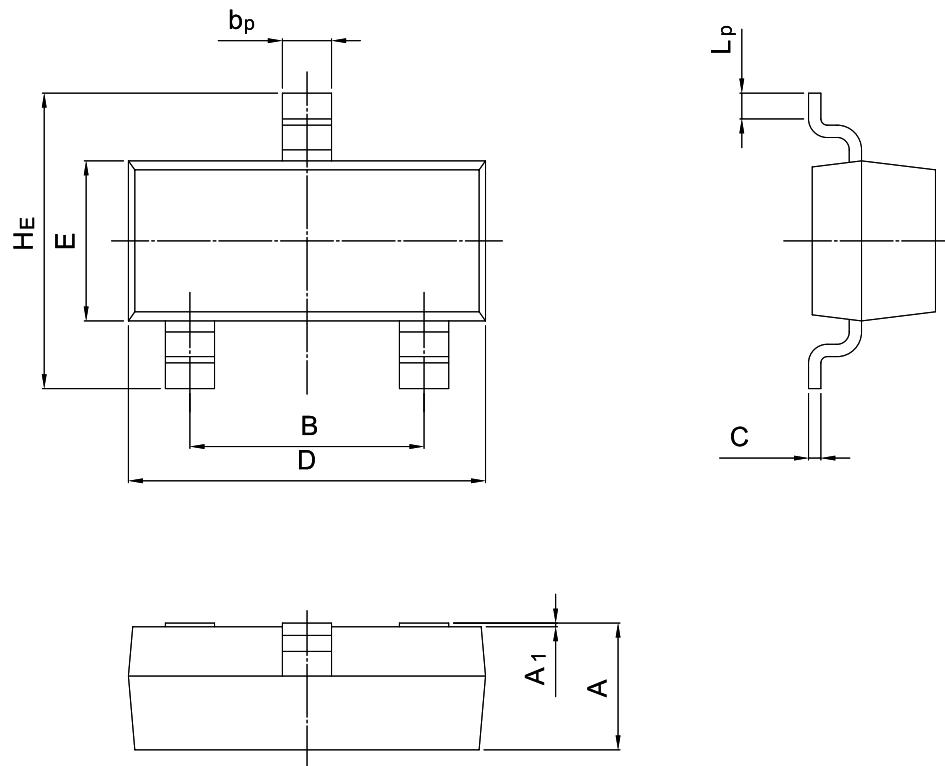
Power Derating Curve



PACKAGE OUTLINE

Plastic surface mounted package; 3 leads

SOT-23



UNIT	A	B	b_p	C	D	E	H_E	A_1	L_p
mm	1.40 0.95	2.04 1.78	0.50 0.35	0.19 0.08	3.10 2.70	1.65 1.20	3.00 2.20	0.100 0.013	0.50 0.20

