



Features

- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance



Schematic Diagram

Package SOT-23

Maximum Ratings and Thermal Characteristics

(T_A=25°C unless otherwise specified)

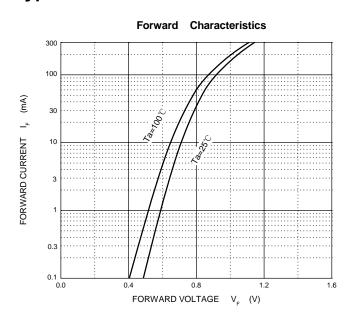
Parameter	Symbol	Limit	Unit
Reverse Voltage	V _R	70	V
Forward Current	I _F	200	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	I _{FSM}	2.0	А
Power Dissipation	P _D	225	mW
Thermal Resistance Junction to Ambient	R _{θJA}	556	°C/W
Junction Temperature	TJ	-55 to +150	°C
Storage Temperature range	T _{STG}	-55 to +150	°C

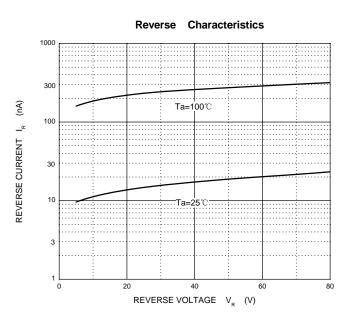
Electrical Characteristics (T_A=25°C unless otherwise specified)

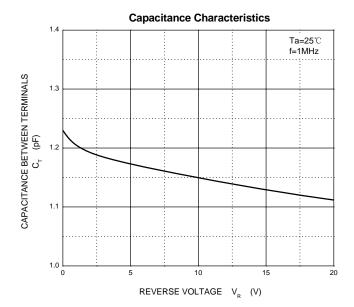
Parameter	Symbol	Min	Тур	Max	Unit	Conditions
Reverse Breakdown Voltage	V_R	70			V	I _R =100μA
Forward Voltage	V _{F1}			0.715	V	I _F =1mA
	V _{F2}			0.855	V	I _F =10mA
	V _{F3}			1	V	I _F =50mA
	V _{F4}			1.25	V	I _F =150mA
Reverse Current	I _R			2.5	μΑ	V _R =70V
Capacitance Between Terminals	C _T			1.5	pF	V _R =0,f=1MHz
Reverse Recovery Time	t rr			6	ns	$I_F = I_R = 10$ mA,
						Irr= $0.1 \times I_R$, $R_L = 100\Omega$

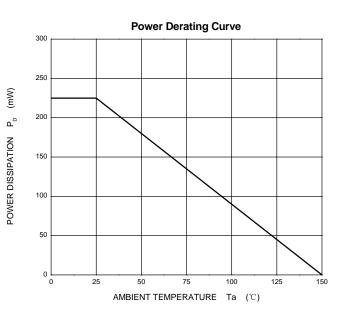


Typical Characteristic Curves



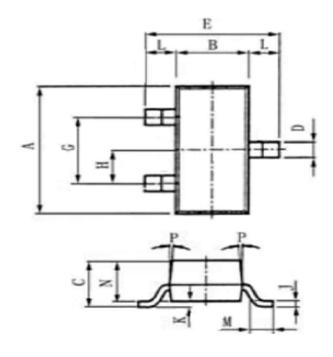








Package Outline Dimensions



SOT-23

Α	2.9±0.02
В	1.30+0.20/-0.15
С	1.30MAX
D	0.40+0.15/-0.05
E	2.40+0.30/-0.20
G	1.9±0.2
Н	0.95±0.1
J	0.10+0.10/-0.05
K	0.00-0.10
L	0.55±0.1
М	0.2MIN
N	1.00+0.20/-0.10
Р	7"