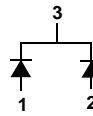


Product characteristics

$V_{RRM}$	70	V
$I_F$	200	mA
PD	225	mW

Symbol



Package



Absolute Maximum ratings  $T_A = 25^\circ\text{C}$  unless otherwise noted

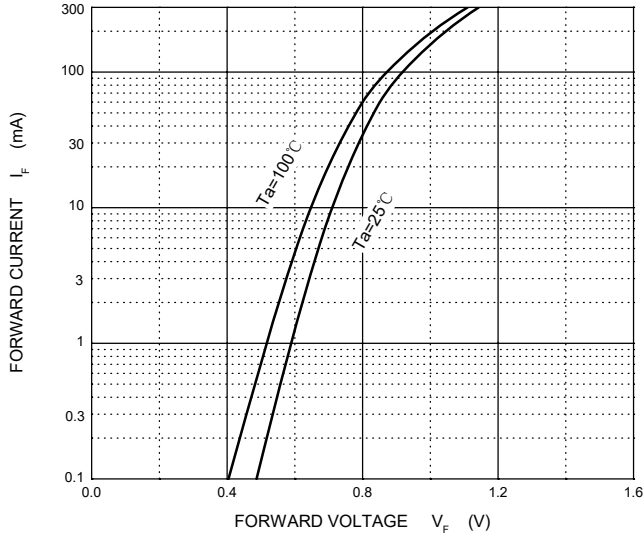
Parameter	Symbol	Limit	Unit
Reverse Voltage	$V_R$	70	V
Forward Current	$I_F$	200	mA
Nor-Repetitive Peak Forward Surge Current@ $t=8.3\text{ms}$	$I_{FSM}$	2.0	A
Power Dissipation	$P_D$	225	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	556	$^\circ\text{C}/\text{W}$
Thermal Resistance Junction to Case	$R_{\theta JC}$	26	$^\circ\text{C}/\text{W}$
Operation Junction and Storage Temperature Range	$T_J, T_{STG}$	-55~+150	$^\circ\text{C}$

Electrical characteristics  $T_C = 25^\circ\text{C}$  unless otherwise noted

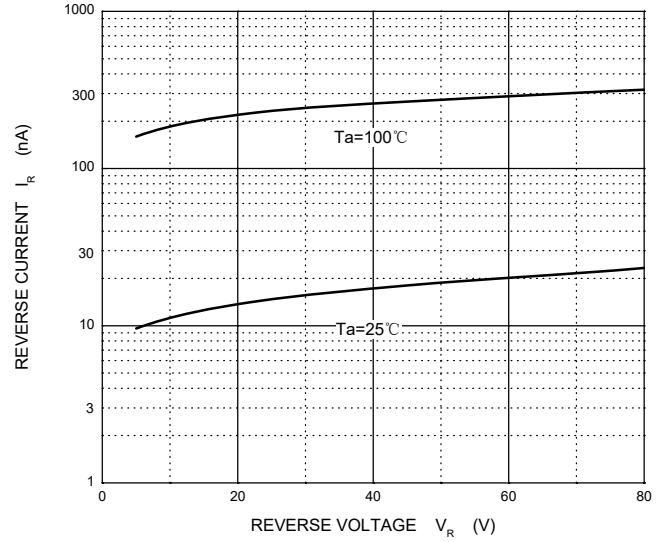
Parameter	Conditons	Symbol	Min	Typ	Max	Unit
Reverse breakdown voltage	$I_R=100\mu\text{A}$	$V_R$	70	-	-	V
Forward voltage	$I_F=1\text{mA}$	$V_{F1}$	-	-	0.715	V
	$I_F=10\text{mA}$	$V_{F2}$	-	-	0.855	V
	$I_F=50\text{mA}$	$V_{F3}$	-	-	1	V
	$I_F=150\text{mA}$	$V_{F4}$	-	-	1.25	V
Reverse current	$V_R=70\text{V}$	$I_R$	-	-	2.5	$\mu\text{A}$
Capacitance between terminals	$V_R=0, f=1\text{MHz}$	$C_T$	-	-	1.5	pF
Reverse recovery time	$I_F = I_R = 10\text{mA}$ , $I_{rr} = 0.1 \times I_R, R_L = 100\Omega$	$t_{rr}$	-	-	6	ns

Typical performance characteristics

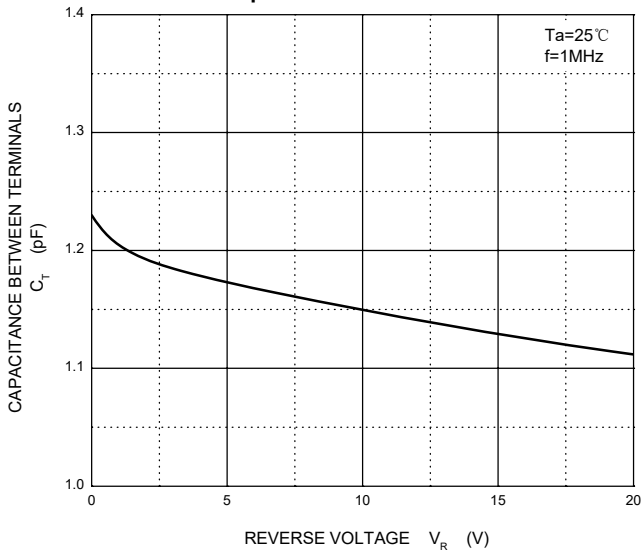
Forward Characteristics



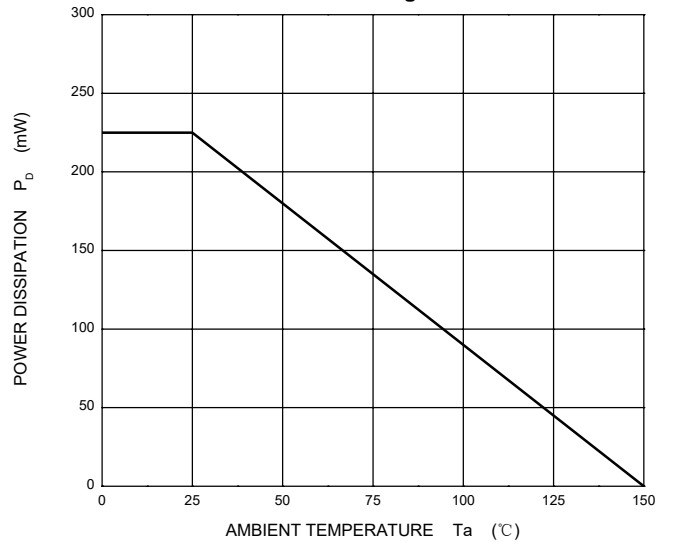
Reverse Characteristics



Capacitance Characteristics

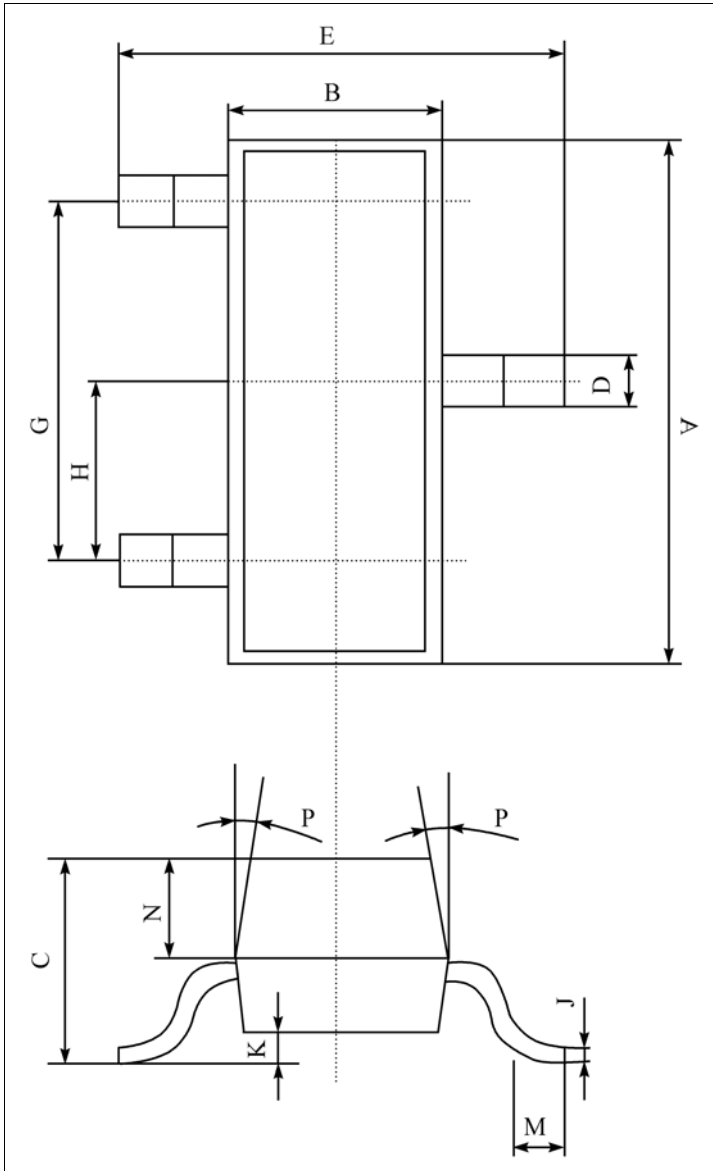


Power Derating Curve



■ DIMENSION 外形封装尺寸数据 (Package: SOT-23)

单位 (UNIT) : mm



序号	数值及公差
A	2.90±0.10
B	1.30±0.10
C	1.00±0.10
D	0.40±0.10
E	2.40±0.20
G	1.90±0.10
H	0.95±0.05
J	0.13±0.05
K	0.00-0.10
M	≥0.20
N	0.60±0.10
P	7±2°

**Packing**  
 SOT-23 包装规格  
 SMD片式表面贴封装  
 包装方式: 载带卷盘包装  
 Tape & Reel, 3Kpcs/Reel  
 每卷数量3000只 (3Kpcs/Reel)  
 每盒数量45000只 (45Kpcs/BOX)  
 每箱数量180000只 (180Kpcs/Cartons)