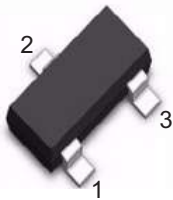
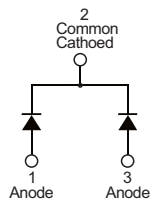


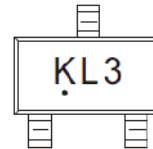
SYMBOL



FEATURES

Extremely Fast Switching Speed

MARKING



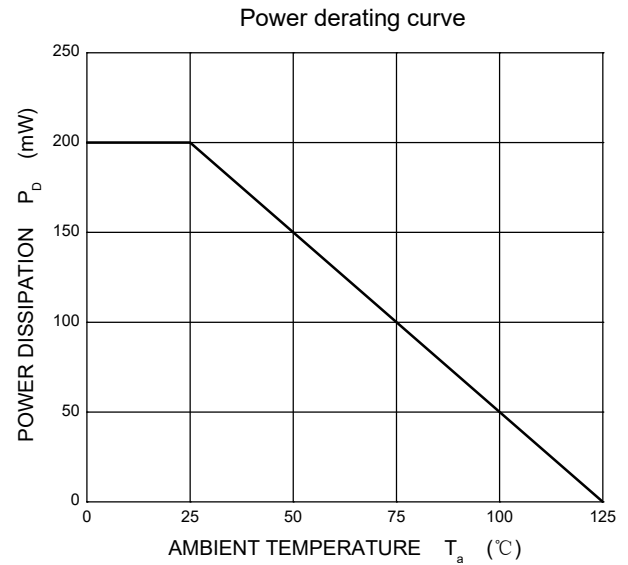
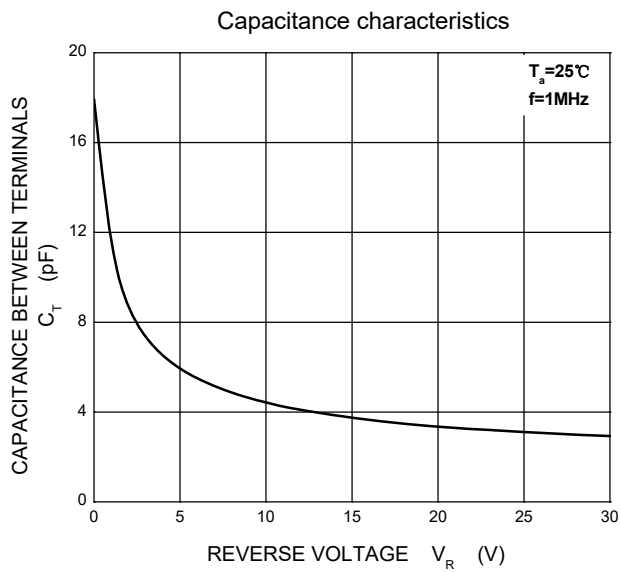
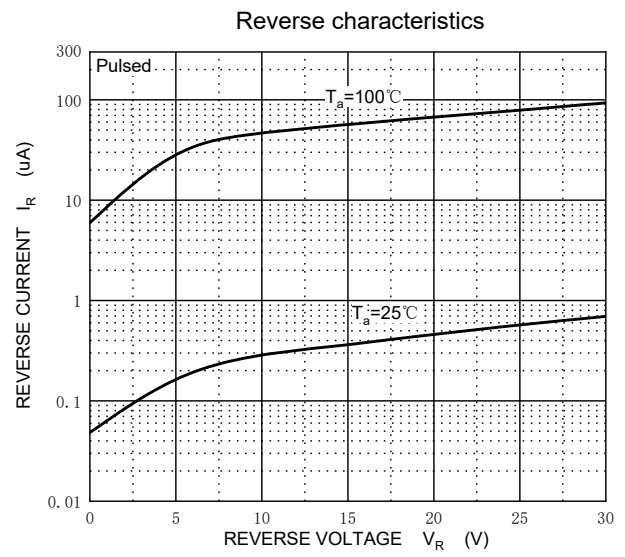
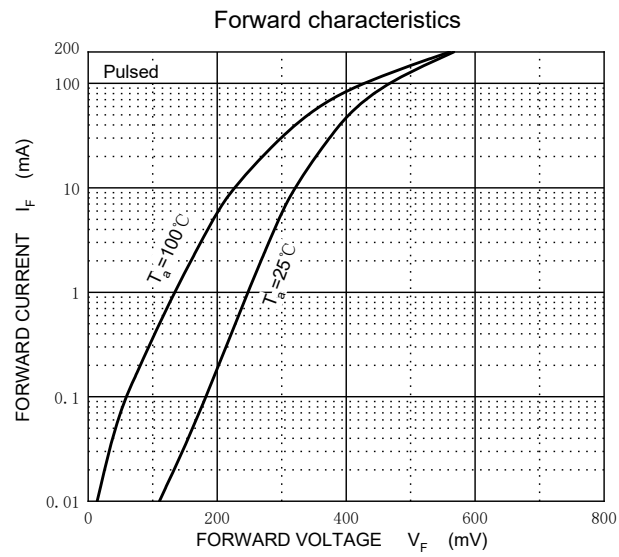
■ MAIMUM RATINGS (T_a = 25°C, unless otherwise specified)

Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	V _{RRM}	30	V
Working Peak Reverse Voltage	V _{RWM}	30	V
DC Blocking Voltage	V _R	30	V
Forward Continuous Current	I _{FM}	200	mA
Non-repetitive Peak Forward Surge Current @ t=8.3ms	I _{FSM}	600	mA
Repetitive Peak Forward Current @ t≤1s, δ ≤0.5	I _{FRM}	300	mA
Power Dissipation	P _D	200	mW
Thermal Resistance from Junction to Ambient	R _{θJA}	500	°C/W
Operating Junction Temperature Range	T _J	-40 ~ +125	°C
Storage Temperature Range	T _{stg}	-55 ~ +150	°C

■ ELECTRICAL CHARACTERISTICS (T_a = 25°C, unless otherwise specified)

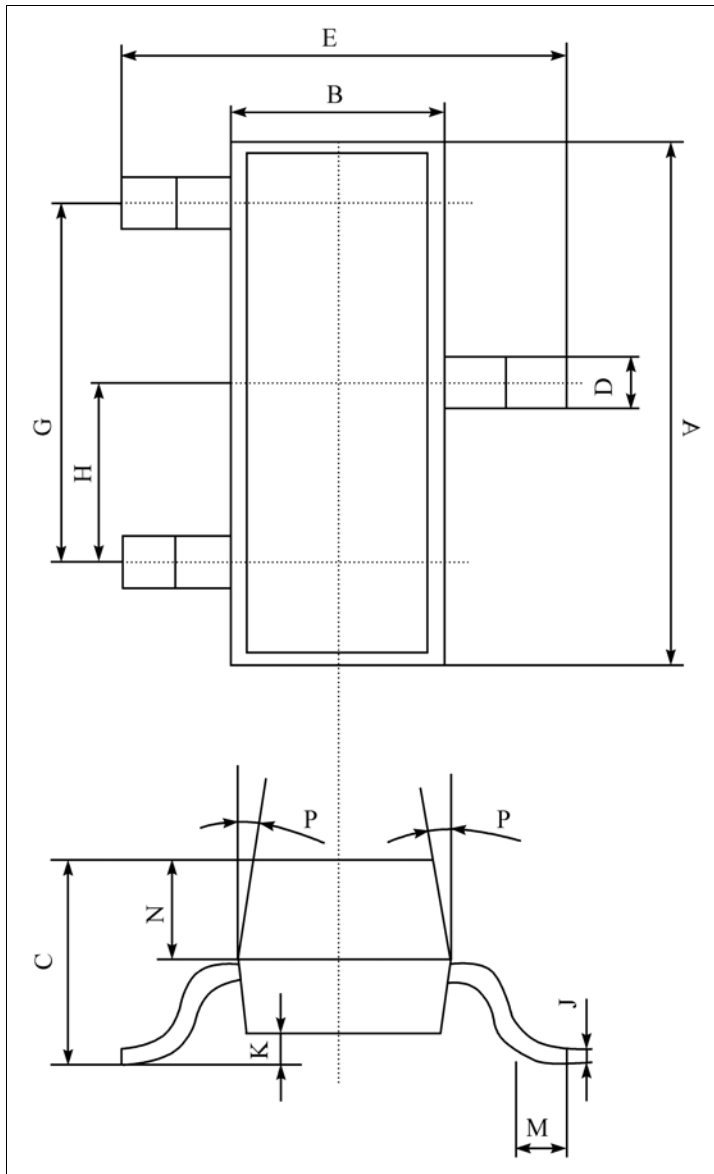
Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	V _(BR)	I _R =100μA	30	-	-	V
Forward voltage	V _F	I _{F1} =0.1mA	-	-	0.24	V
		I _{F2} =1mA	-	-	0.32	V
		I _{F3} =10mA	-	-	0.40	V
		I _{F4} =30mA	-	-	0.50	V
		I _{F5} =100mA	-	-	1	V
Reverse current	I _R	V _R =25V	-	-	2	μA
Diode capacitance	C _D	V _R =1V, f=1MHz	-	-	10	pF
Reverse recovery time	t _{rr}	I _F =I _R =10mA I _{rr} =0.1×I _R , R _L =100Ω	-	-	5	ns

■ TYPICAL CHARACTERISTICS



■ SOT-23-3L PACKAGE OUTLINE DIMENSIONS

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)	