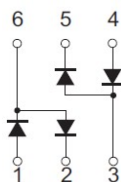
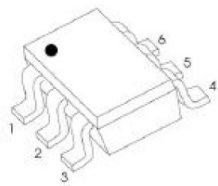
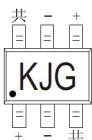


SOT-363

Marking: KJG

特征 Features

- Fast Switching Speed
- Ultra-Small Surface Mount Package
- For General Purpose Switching Applications
- High Conductance

机械数据 Mechanical Data

- SOT-363 Small Outline Plastic Package
- Epoxy UL: 94V-0
- Mounting Position: Any

极限值和温度特性(TA = 25°C 除非另有规定)

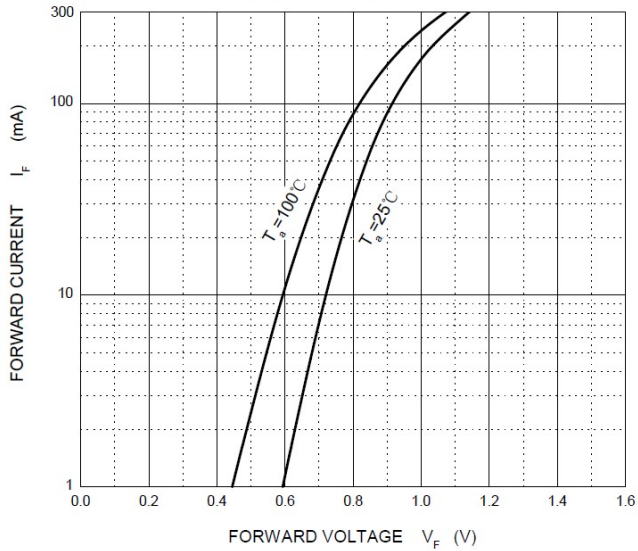
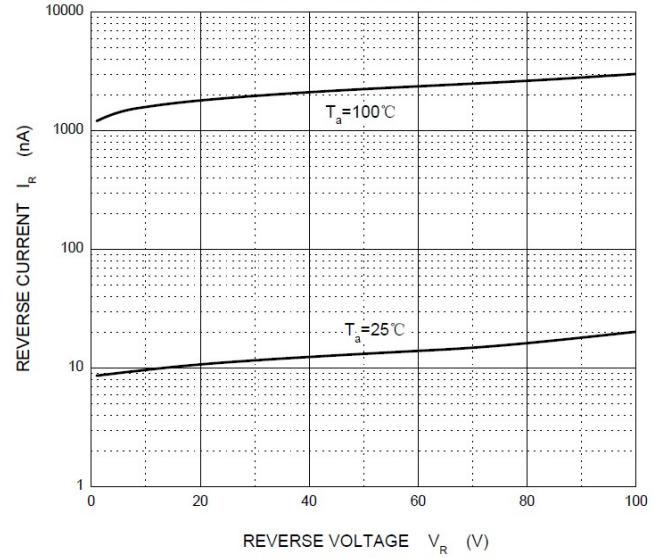
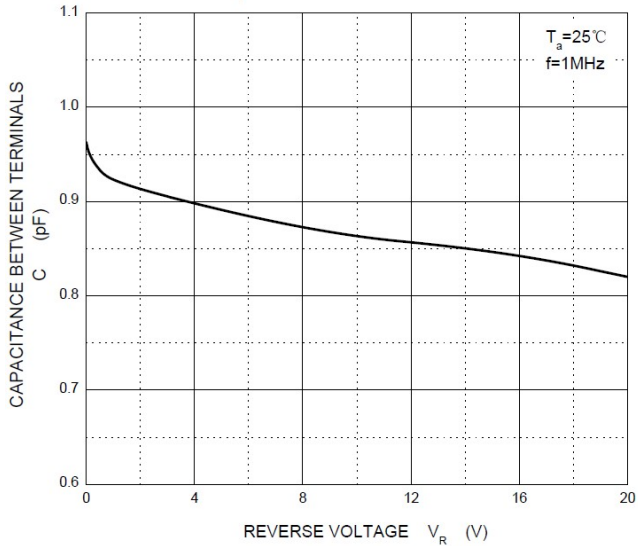
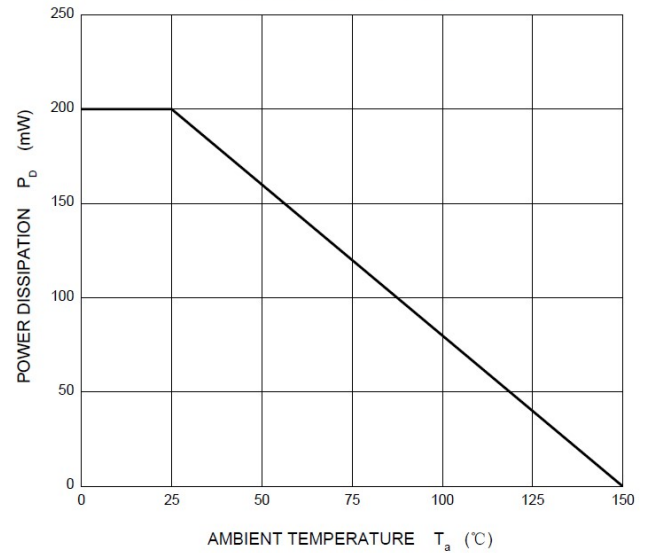
Maximum Ratings & Thermal Characteristics (Ratings at 25°C ambient temperature unless otherwise specified.)

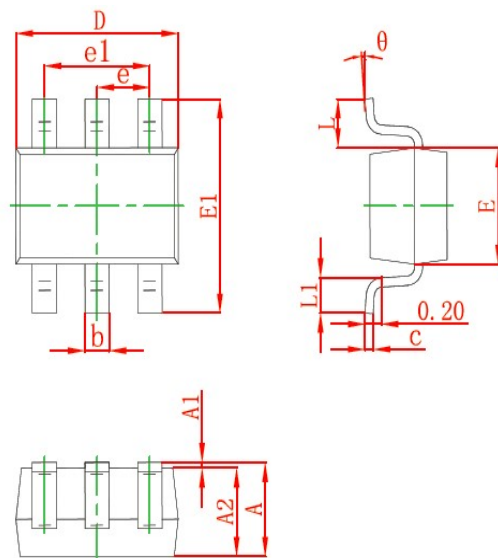
Parameters	Symbol	Value	Unit
Peak Repetitive Peak Reverse Voltage	V _{RRM}	75	V
Working Peak Reverse Voltage	V _{RWM}		
DC Blocking Voltage	V _R		
Average Rectified Output Current	I _O	150	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	I _{FSM}	2	A
Forward Continuous Current	I _{FM}	300	mA
Power Dissipation	P _d	200	mW
Thermal Resistance from Junction to Ambient	R _{θJA}	625	°C/W
Junction Temperature	T _j	125	°C
Storage Temperature	T _{stg}	-55-+150	°C

电特性 (TA = 25°C 除非另有规定)

Electrical Characteristics (Ratings at 25°C ambient temperature unless otherwise specified).

符号 Symbols	参数 Parameter	测试条件 Test Condition	界限 Limits		单位 Unit
			Min	Max	
V(BR)R	Reverse Breakdown Voltage	IR=2.5uA	75	---	V
IR	Reverse Leakage Current	VR=75V	---	2.5	uA
		VR=20V		25	nA
VF	Forward Voltage	IF=1mA	---	0.715	V
		IF=10mA		0.855	
		IF=50mA		1	
		IF=150mA	---	1.25	
TRR	Reverse Recovery Time	IF= IR=10mA,	---	4	nS
		Irr=0.1×IR			
		RL=100Ω			
C	Capacitance	VR=0V, f=1MHZ	---	2	pF

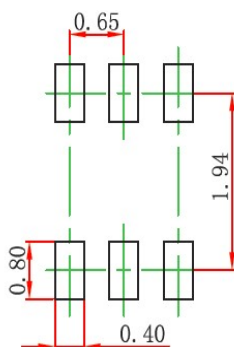
Typical characteristics
Forward Characteristics

Reverse Characteristics

Capacitance Characteristics

Power Derating Curve


SOT-363 PACKAGE OUTLINE Plastic surface mounted package


Symbol	Dimensions In Millimeters	
	Min	Max
A	0.900	1.100
A1	0.000	0.100
A2	0.900	1.000
b	0.150	0.350
c	0.100	0.150
D	2.000	2.200
E	1.150	1.350
E1	2.150	2.400
e	0.650 TYP	
e1	1.200	1.400
L	0.525 REF	
L1	0.260	0.460
θ	0°	8°

焊盘设计参考 Precautions: PCB Design

Recommended land dimensions for SOT-363 diode. Electrode patterns for PCBs


Note:

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

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