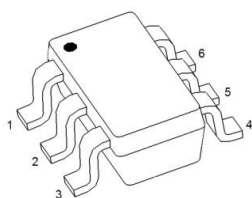
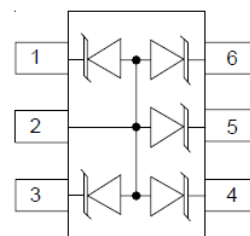
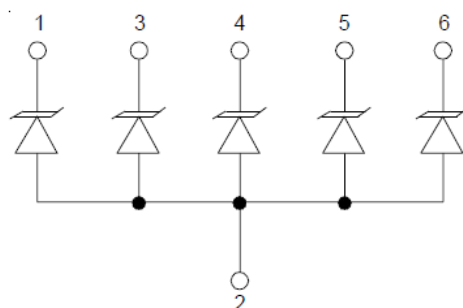


Transient Voltage Suppressor Array



SOT-363

MARKING: 6JK



Features

- 100W (8/20 μ s) Peak Pulse Power
- ESD and Latch-Up Protection
- SOT-363 Package
- RoHS Compliant
- Matte Tin Lead finish (Pb-Free)
- Protect Five I/O Lines
- Meet IEC61000-4-2 Level 4:
- Contact Discharge > 20kV Air Discharge > 20kV

Applications

- Peripherals
- Audio Players
- Digital Cameras
- Cordless Phones
- Portable Instrumentation
- Notebooks and Handhelds
- Personal Digital Assistants (PDA's)
- Cellular Handsets and Accessories

Absolute Maximum Ratings (TA=25°C unless otherwise specified)

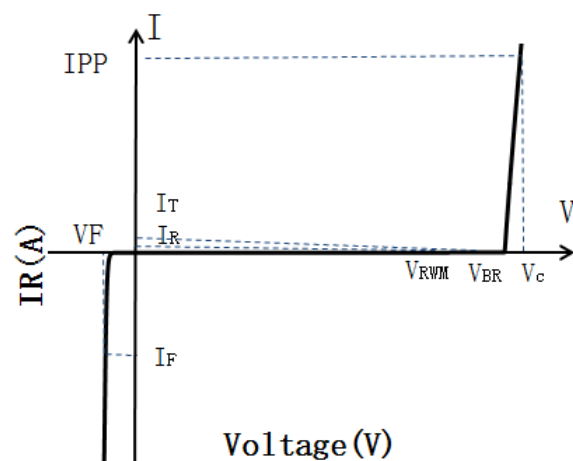
Symbol	Parameter	Value	Unit
PPK	Peak Pulse Power	100	W
IPP	Peak Pulse Current	6	A
VESD (Contact)	Contact ESD Voltage per IEC61000-4-2	20	kV
VESD (Air)	Air ESD Voltage per IEC61000-4-2	20	kV
TJ	Junction Temperature	-55 to +125	°C
TSTG	Storage Temperature	-55 to +150	°C

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

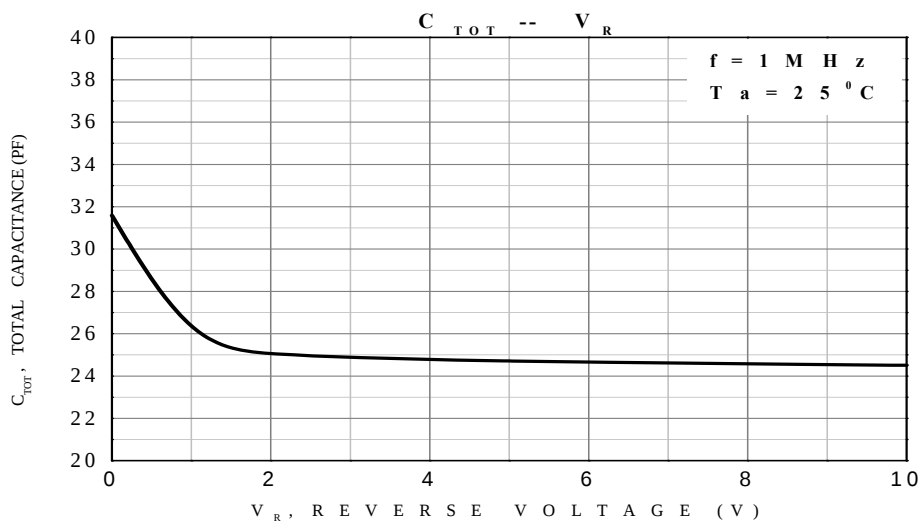
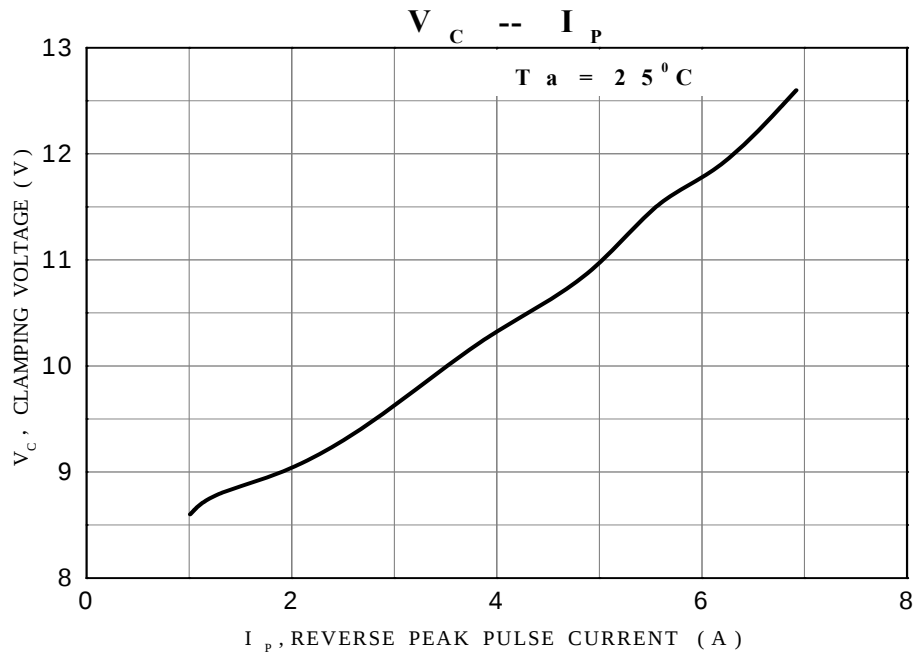
Symbol	Parameter	Conditions	Min	Typ	Max	Unit
VRWM	Reverse Working Peak Voltage				5	V
VBR	Reverse Breakdown Voltage	IT = 1mA	6		8	V
IR	Reverse Leakage Current	VRWM = 5V			5	μA
VC	Clamping Voltage	IPP = 1A (8/20μs)			10	V
VC	Clamping Voltage	IPP = 6A (8/20μs)			18	V
CJ	Capacitance	VR = 0V, f = 1MHz		50		pF

Portion Electronics Parameter

Symbol	Parameter
IT	Test Current
IPP	Maximum Reverse Peak Pulse Current
Vc	Clamping Voltage @Ic

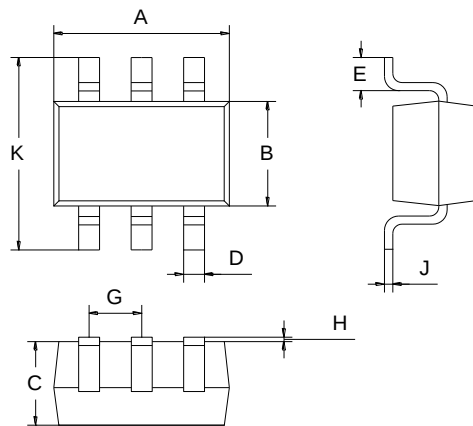


Typical Characteristics



Plastic surface mounted package

SOT-363



SOT-363		
Dimension	Min.	Max.
A	2.00	2.20
B	1.15	1.35
C	0.85	1.05
D	0.15	0.35
E	0.25	0.40
G	0.60	0.70
H	0.02	0.10
J	0.05	0.15
K	2.20	2.40

SOLDERING FOOTPRINT

