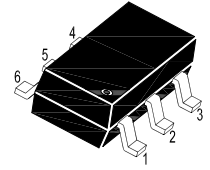
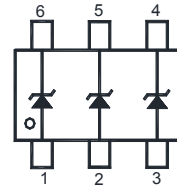


■ **Transient Voltage Suppressors**
for ESD Protection

■ **Features**

- Excellent clamping capability
- Low leakage
- Fast response time



■ **Simplified outline(SOT-363)**

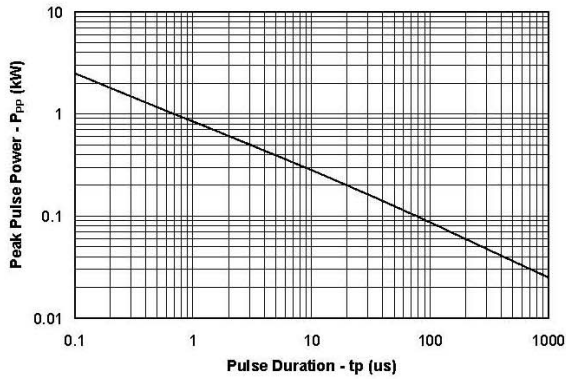
■ **Absolute Maximum Ratings (T_a = 25 °C)**

Parameter	Symbol	Value	Unit
Reverse Stand-Off Voltage	V _R	5	V
Peak Pulse Current (tp = 8/20 μs)	I _{PP}	16	A
IEC61000-4-2 (ESD) Air Contact	V _{PP}	± 20 ± 15	KV
Peak Pulse Power (tp = 8/20 μs)	P _{PK}	200	W
Operation Temperature Range	T _j	- 55 to + 125	°C
Storage Temperature Range	T _{stg}	- 55 to + 150	°C

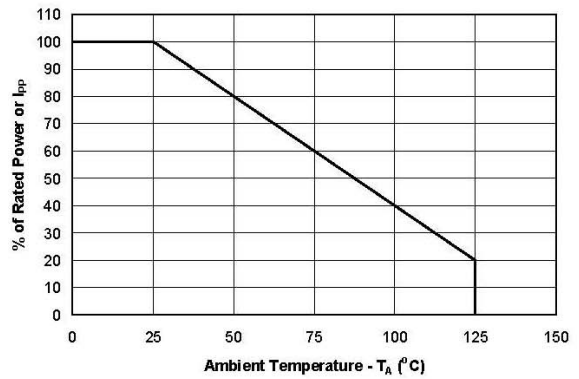
■ **Characteristics at T_a = 25 °C**

Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at I _R = 1 mA	V _{(BR)R}	6	-	V
Forward Voltage at I _F = 10 mA	V _F	-	0.9	V
Reverse Current at V _R = 5 V	I _R	-	1	μA
Clamping Voltage at I _{PP} = 5 A, tp = 8/20 μs at I _{PP} = 16 A, tp = 8/20 μs	V _C	- -	9.8 12.5	V
Junction Capacitance at V _R = 0 V, f = 1 MHz	C _j	-	160	pF

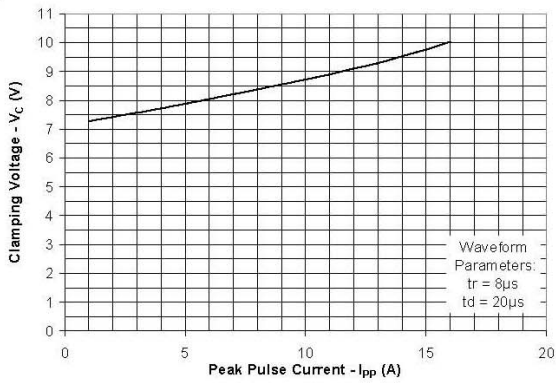
Non-Repetitive Peak Pulse Power vs. Pulse Time



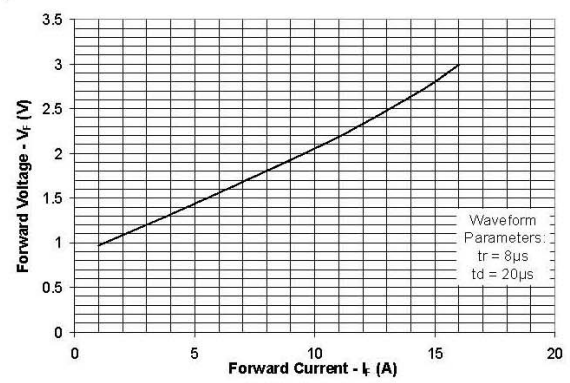
Power Derating Curve



Clamping Voltage vs. Peak Pulse Current

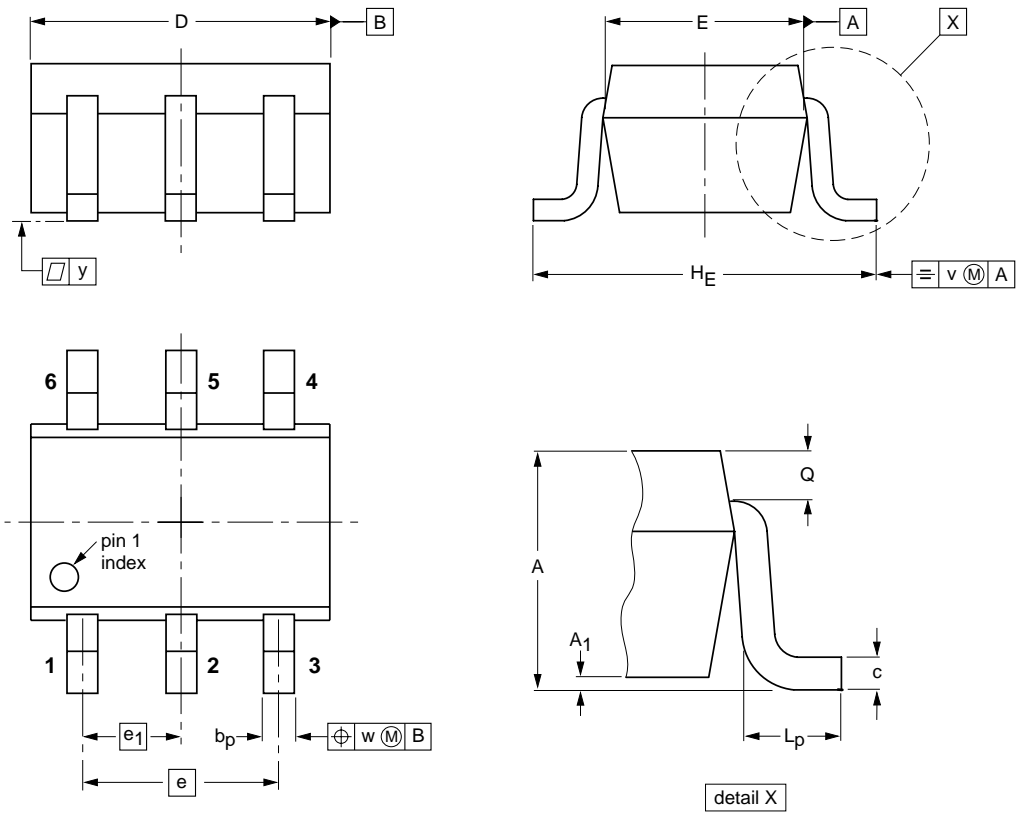


Forward Voltage vs. Forward Current



Package Outline

SOT-363



DIMENSIONS (mm are the original dimensions)

UNIT	A	A ₁ max	b _p	c	D	E	e	e ₁	H _E	L _p	Q	v	w	y
mm	1.1 0.8	0.1	0.30 0.20	0.25 0.10	2.2 1.8	1.35 1.15	1.3	0.65	2.2 2.0	0.45 0.15	0.25 0.15	0.2	0.2	0.1

Summary of Packing Options

Package	Package Description	Packing Quantity	Industry Standard
SOT-363	Tape/Reel, 7" reel	3000	EIA-481-1