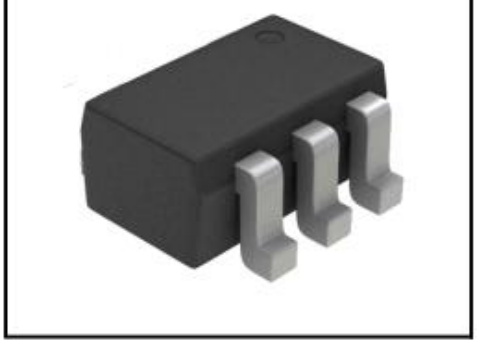
Applications

- USB 2.0 Power and Data Line Protection
- Video Graphics Cards
- Monitors and Flat Panel Displays
- Digit Video Interface (DVI)
- 10/100/1000 Ethernet
- Notebook Computers
- SIM Ports
- ATM Interfaces

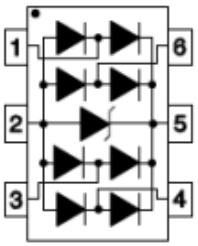
SOT23-6



IEC Compatibility

- IEC61000-4-2 (ESD) ±17kV (air), ±8kV (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (Lightning) 3.5A (8/20μs)

PIN CONFIGURATION



Features

- Protects four high-speed data lines and one power line
- Low clamping voltage (Vc)
- Working voltages : 5V
- Low leakage current

Mechanical Characteristics

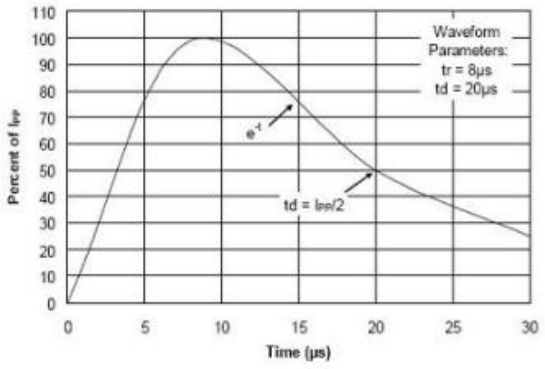
- JEDEC SOT23-6 Package
- Molding Compound Flammability Rating : UL 94V-O
- Weight 16 Millgrams (Approximate)
- Quantity Per Reel : 3,000pcs (MPQ:30Kpcs)
- Reel Size : 7 inch
- Lead Finish : Lead Free

Device Characteristics

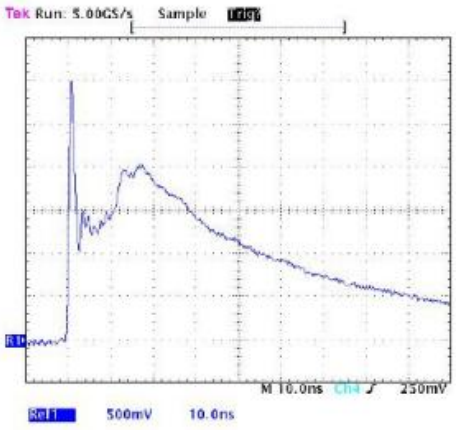
MAXIMUM RATINGS (@ 25℃ Unless Otherwise Specified)			
PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Power (tp=8/20μs waveform)	P_{PP}	350	Watts
Lead Soldering Temperature	T_L	260 (10 sec.)	℃
Operating Temperature Range	T_J	-55 ~ 150	℃
Storage Temperature Range	T_{STG}	-55 ~ 150	℃

ELECTRICAL CHARACTERISTICS PER LINE (@ 25℃ Unless Otherwise Specified)								
PART NUMBER	V_{RWM} (V) (max.)	V_B (V) (min.)	I_T (mA)	V_C @1A (max.)	V_C (max.) (@A)		I_R (μA) (max.)	C_T (pF) (typ.)
ECSRV05-04	5.0	6.0	1	12.5	25.0	3.5	1	1.2

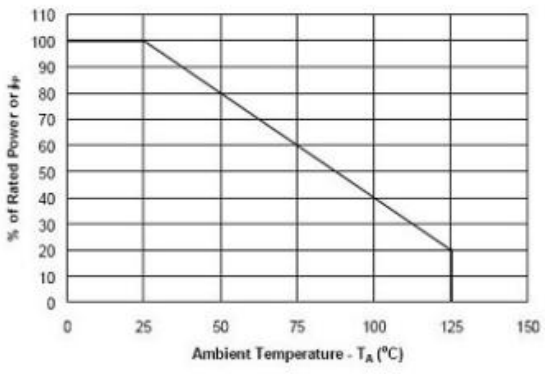
Pulse Waveform



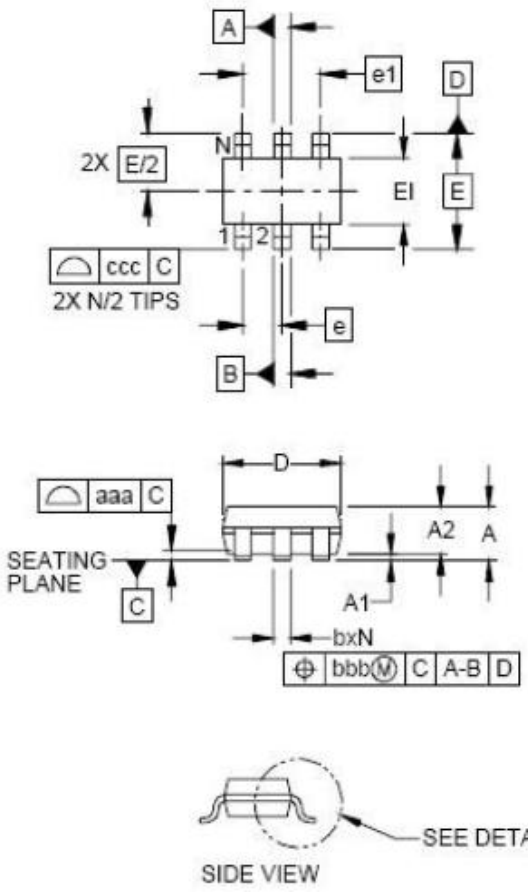
ESD Pulse Waveform (Per IEC 61000-4-2)



Power Derating Curve

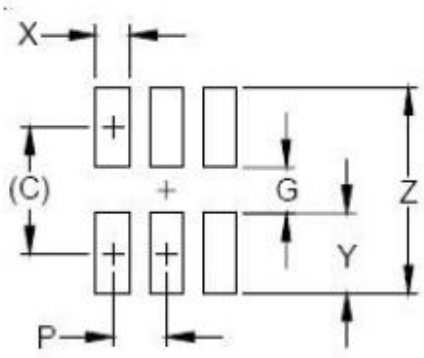


SOT23-6 Package Outline & Dimensions



DIM	INCHES			MILLIMETERS		
	MIN	NOM	MAX	MIN	NOM	MAX
A	.035	-	.057	0.90	-	1.45
A1	.000	-	.006	0.00	-	0.15
A2	.035	.045	.051	.90	1.15	1.30
b	.010	-	.020	0.25	-	0.50
c	.003	-	.009	0.08	-	0.22
D	.110	.114	.122	2.80	2.90	3.10
E1	.060	.063	.069	1.50	1.60	1.75
E	.110 BSC			2.80 BSC		
e	.037 BSC			0.95 BSC		
e1	.075 BSC			1.90 BSC		
L	.012	.018	.024	0.30	0.45	0.60
L1	(.024)			(0.60)		
N	6			6		
θ1	0°	-	10°	0°	-	10°
aaa	.004			0.10		
bbb	.008			0.20		
ccc	.008			0.20		

SOLDERING FOOTPRINT



DIMENSIONS		
DIM	INCHES	MILLIMETERS
C	(.098)	(2.50)
G	.055	1.40
P	.037	0.95
X	.024	0.60
Y	.043	1.10
Z	.141	3.60