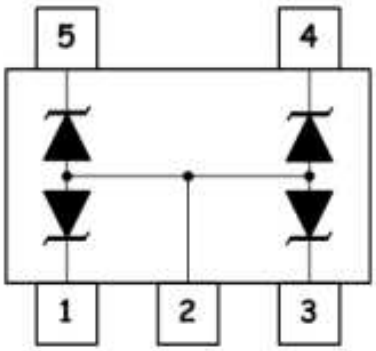
TVS Diode Array

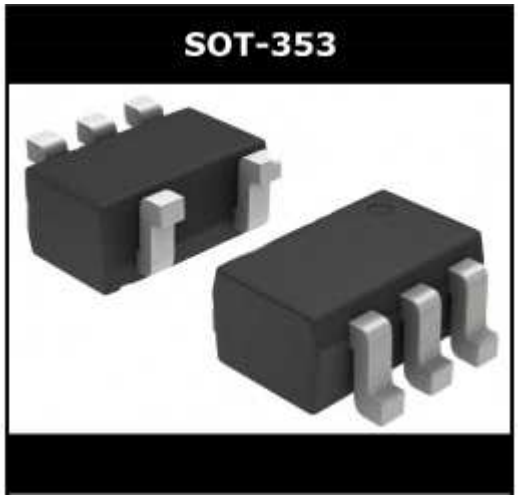
for Latch up Protection

Applications

- Cellular Handsets and Accessories
- Cordless Phones
- Personal Digital Assistants (PDA's)
- Notebooks and Handhelds
- Portable Instrumentation
- Peripherals
- MP3 Players
- Industrial Application

Pin Configuration





IEC Compatibility

- IEC61000-4-2 (ESD) ±30kV (air), ±30kV (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (SURGE) 4A (8/20μs)

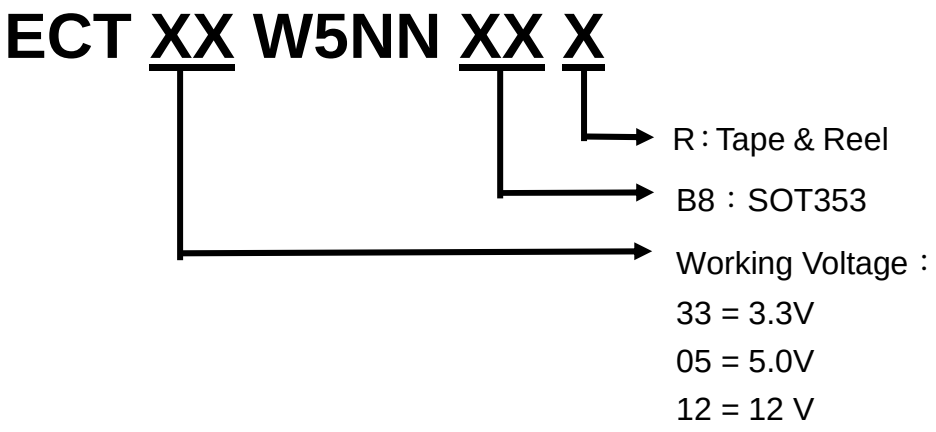
Features

- 100 Watts Peak Pulse Power per Line (tp=8/20μs)
- Protects Four I/O Lines
- Low Clamping Voltage
- Working Voltages : 3.3V, 5.0V, 12V
- Low Leakage Current

Mechanical Characteristics

- SOT-353 Package
- Molding Compound Flammability Rating : UL 94V-0
- Weight 6.0 Millgrams (Approximate)
- Quantity Per Reel : 3,000pcs
- Reel Size : 7 inch
- Lead Finish : Lead Free

Ordering Information

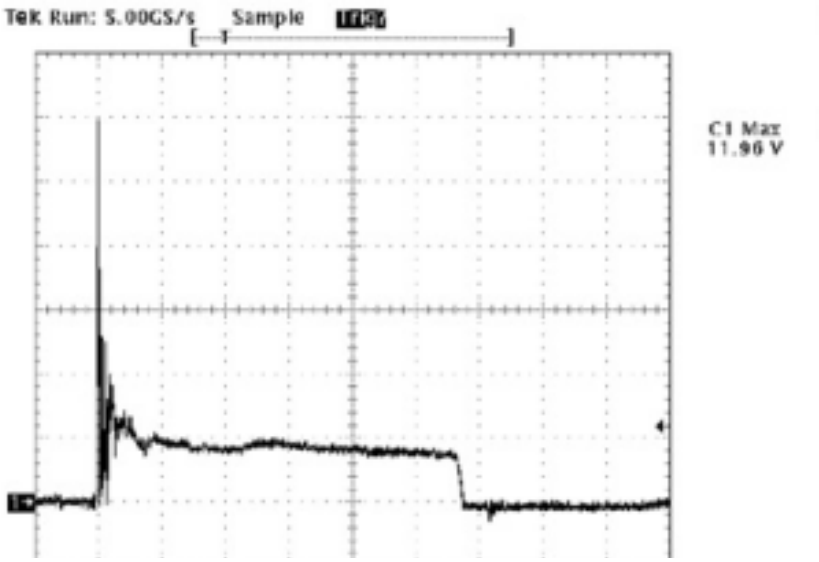


Device Characteristics

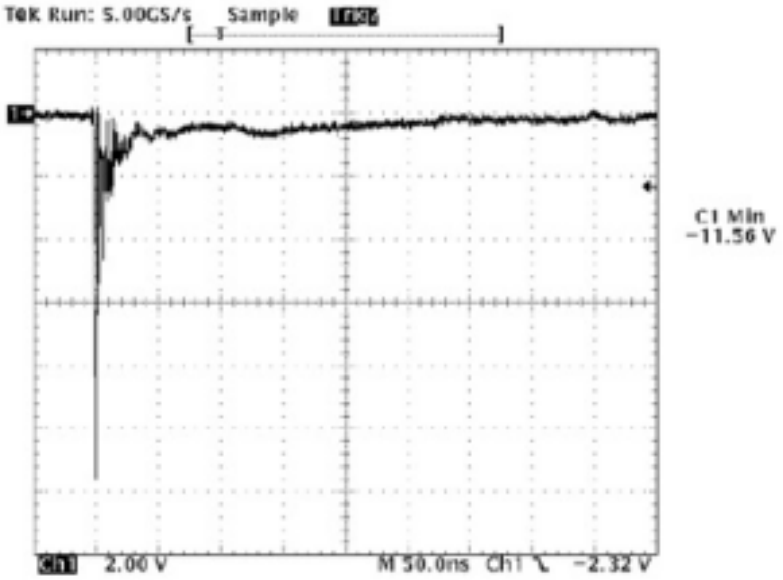
MAXIMUM RATINGS (@ 25℃ Unless Otherwise Specified)			
PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Power (tp=8/20μs waveform)	P_{PP}	100	Watts
Lead Soldering Temperature	T_L	260 (10 sec.)	℃
Operating Temperature Range	T_J	-55 ~ 150	℃
Storage Temperature Range	T_{STG}	-55 ~ 150	℃

ELECTRICAL CHARACTERISTICS PER LINE (@ 25℃ Unless Otherwise Specified)									
PART NUMBER	DEVICE MARKING	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.)
ECT33W5NNB8R	WB	3.0	4.5	1	8.0	15.3	4	5	40
ECT05W5NNB8R	WE	5	6	1	9.8	18.5	3	2	30
ECT12W5NNB8R	WH	12	13.3	1	17	21.0	2	1	25

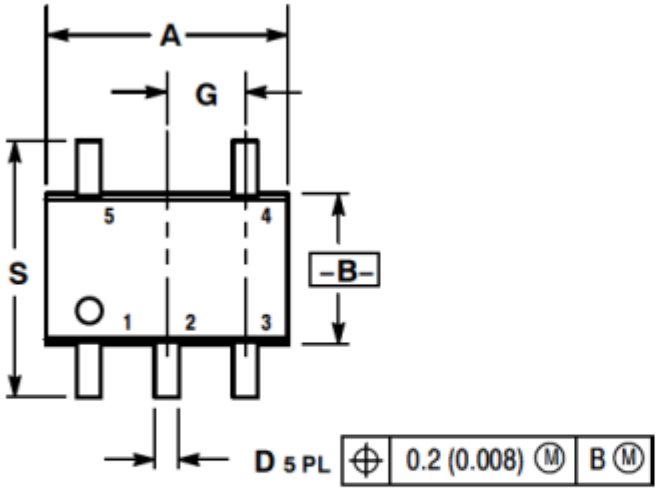
ESD Clamping
(8kV Contact Per IEC 61000-4-2)



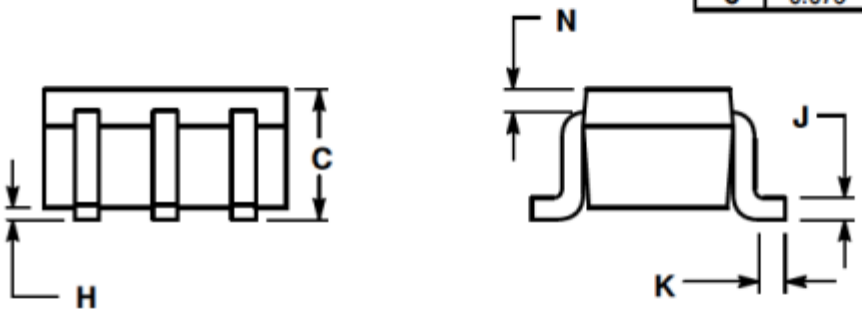
ESD Clamping
(-8kV Contact Per IEC 61000-4-2)



SOT-353 Package Outline & Dimensions



DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.071	0.087	1.80	2.20
B	0.045	0.053	1.15	1.35
C	0.031	0.043	0.80	1.10
D	0.004	0.012	0.10	0.30
G	0.026 BSC		0.65 BSC	
H	---	0.004	---	0.10
J	0.004	0.010	0.10	0.25
K	0.004	0.012	0.10	0.30
N	0.008 REF		0.20 REF	
S	0.079	0.087	2.00	2.20



*** SOLDERING FOOTPRINT**

