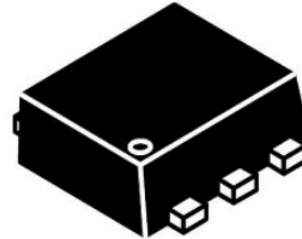


Features

- 100 Watts Peak Pulse Power per Line ($t_p=8/20\mu s$)
- Protects Four Unidirectional I/O Lines
- Low Clamping Voltage
- Working Voltages : 5.0V
- Low Leakage Current
- IEC61000-4-2 (ESD) $\pm 25kV$ (air), $\pm 15kV$ (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (LIGHTING) 4A (8/20 μs)

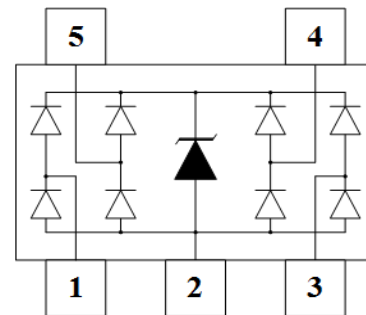
Dimensions SOT-553



Applications

- Ethernet Interface
- Switchin Systems
- Access Equipment
- Central Office Equipment
- Customer Premise Equipment
- Microcontroller Input Protection

Pin Configuration



Mechanical Characteristics

- SOT-553 Package
- Molding Compound Flammability Rating : UL 94V-O
- Weight 3 Milligrams (Approximate)
- Quantity Per Reel : 3,000pcs
- Reel Size : 7 inch
- Lead Finish : Lead Free

Absolute Maximum Ratings (T_{amb}=25°C unless otherwise specified)

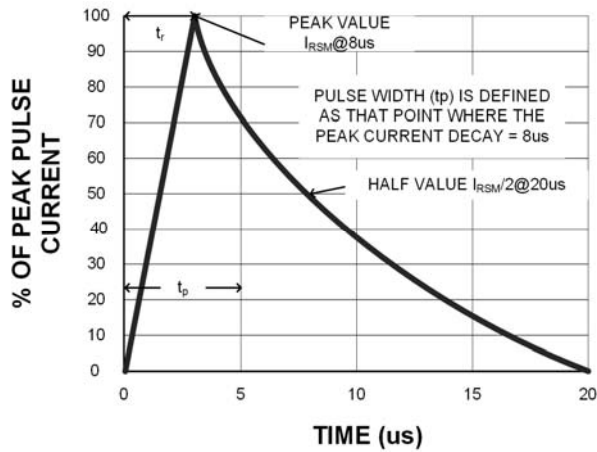
Parameter	Symbol	Value	Unit
Peak Pulse Power (8/20 μs)	P _{pp}	100	W
ESD per IEC 61000-4-2 (Air)	V _{ESD}	± 25	Kv
ESD per IEC 61000-4-2 (Contact)		± 15	
Operating Temperature Range	T _J	-55 to +125	°C
Storage Temperature Range	T _{STJ}	-55 to +150	°C

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

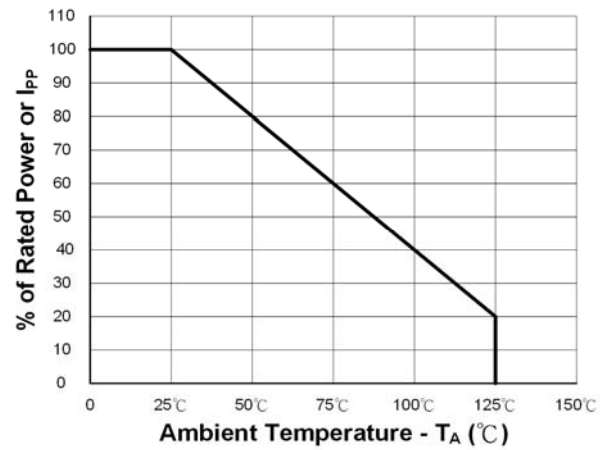
Part Number	Device Marking	V _{RWM} (V)	V _{BR} (V)	I _T (mA)	V _C @1A	V _C		I _R μA (Max)	C (Pf) (Typ.)
						(Max)	(@A)		
ULC0504T5Q	U7	5	6	1	12	25	4	1	0.5

TYPIC CHARACTERISTICS

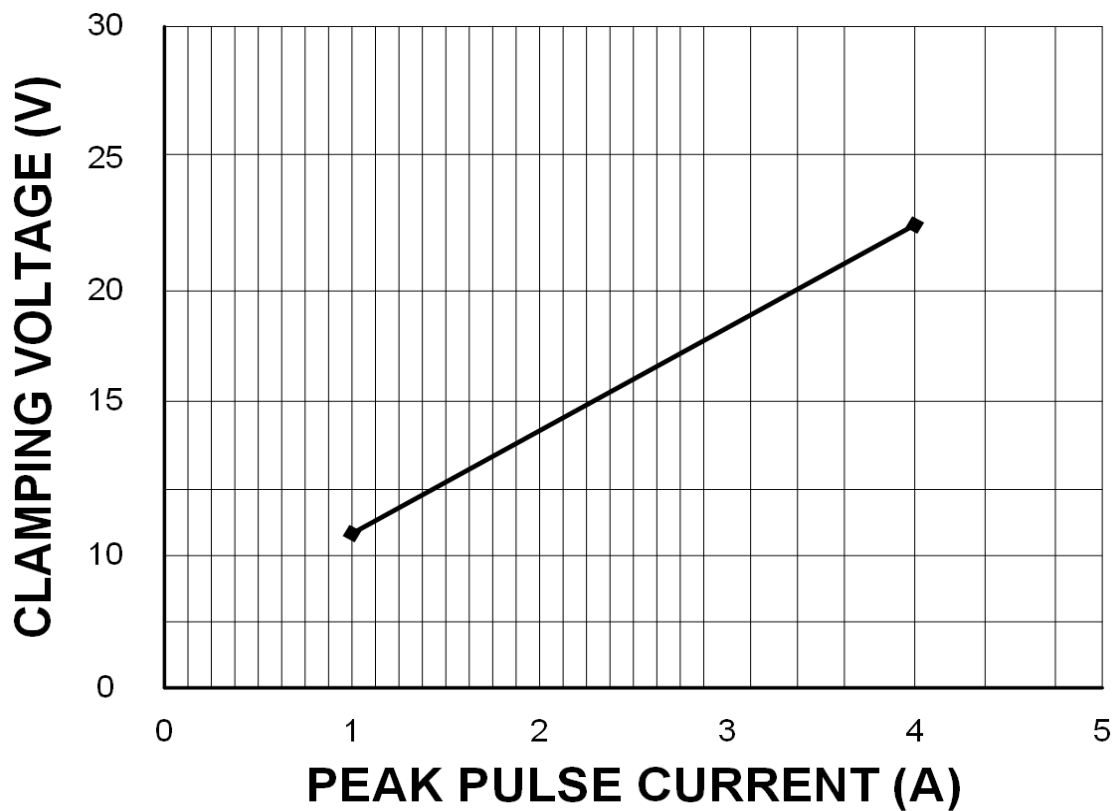
8 x 20 μ s Waveform



Power Derating Curve

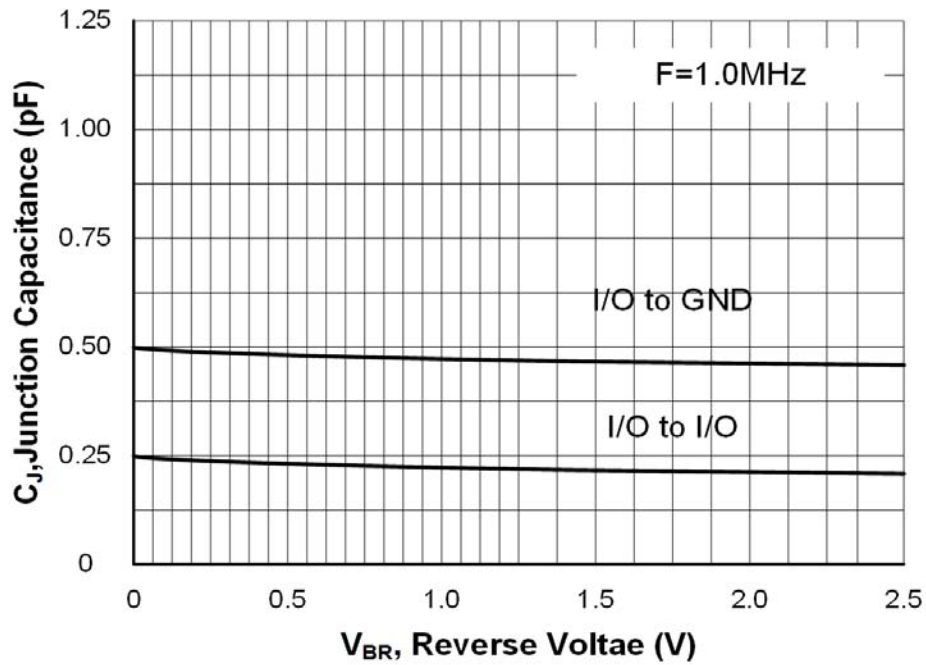


Clamping Voltage vs. Peak Pulse Current ($t_p=8/20\mu s$)

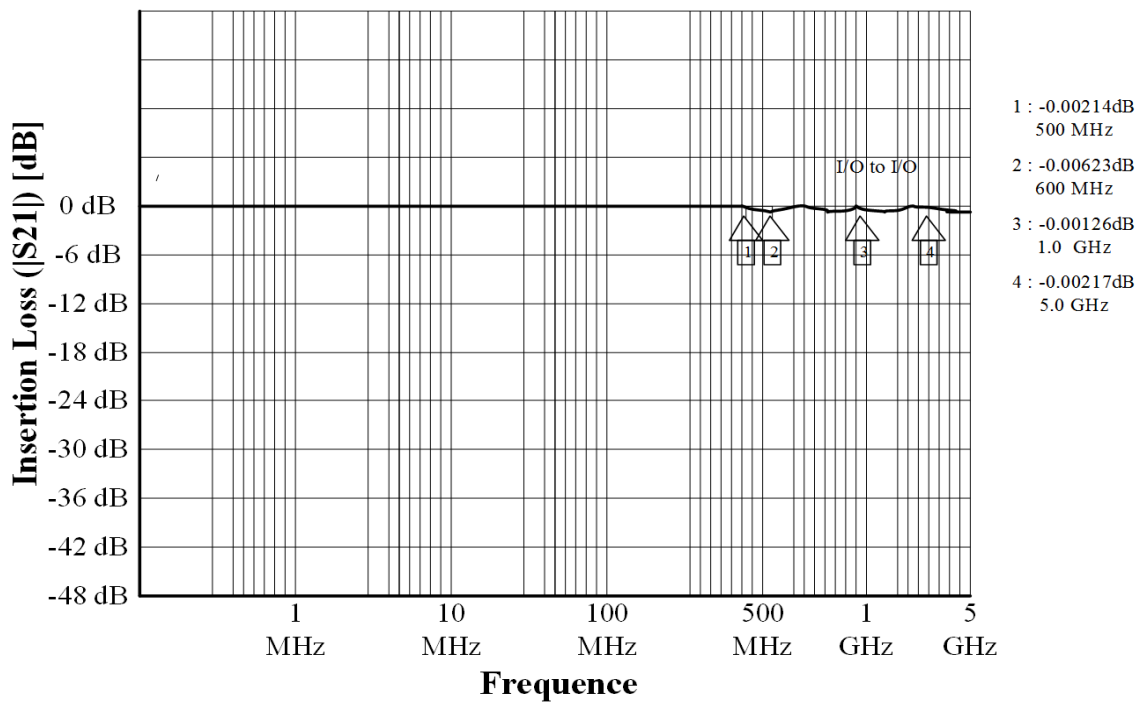


TYPIC CHARACTERISTICS

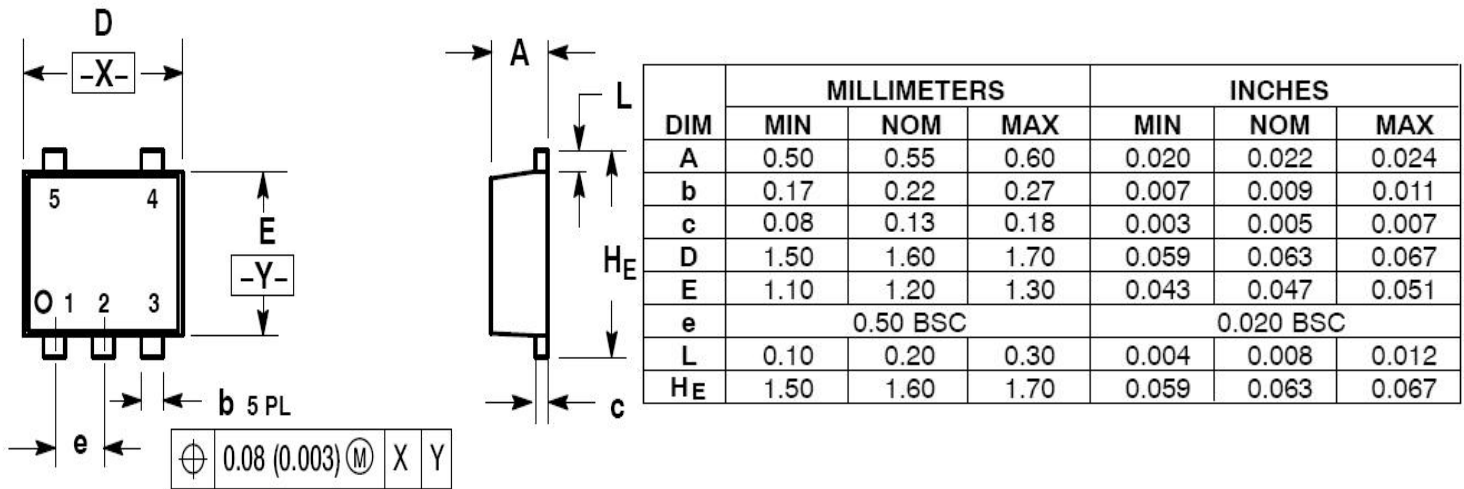
Typic Capacitance vs. Reverse Voltage



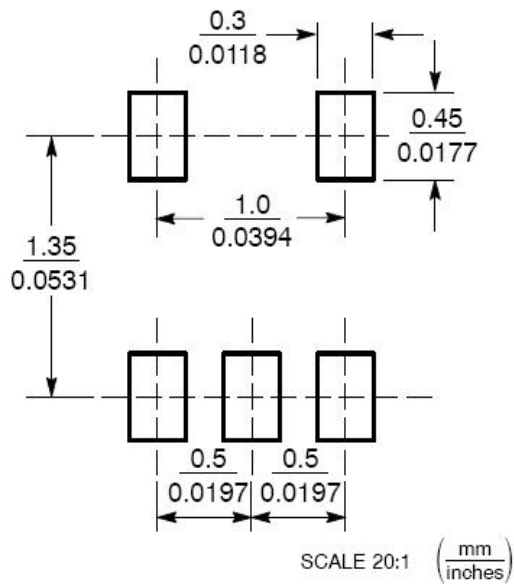
Insertion Loss (S21)



SOT-553 Package Outline & Dimensions



SOLDERING FOOTPRINT



单击下面可查看定价，库存，交付和生命周期等信息

[>>Leiditech\(雷卯电子\)](#)