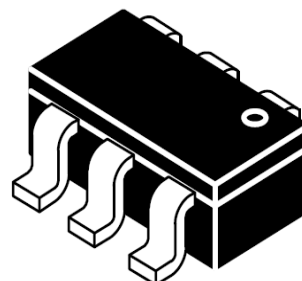


Features

- 60 Watts Peak Pulse Power per Line (tp=8/20μs)
- Protects Four Uidirectional I/O Lines
- Low Clamping Voltage
- Working Voltages : 3.3V
- Low Leakage Current
- IEC61000-4-2 (ESD) ±25kV (air), ±15kV (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (LIGHTING) 4A (8/20μs)

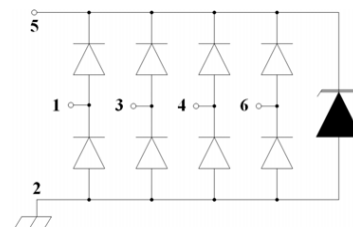
Dimensions SOT26



Applications

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

Pin Configuration



Mechanical Characteristics

- JEDEC SOT-26 Package
- Molding Compound Flammability Rating : UL 94V-O
- Weight 16.0 Milligrams (Approximate)
- Quantity Per Reel : 3,000pcs
- Reel Size : 7 inch
- Lead Finish : Lead Free

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

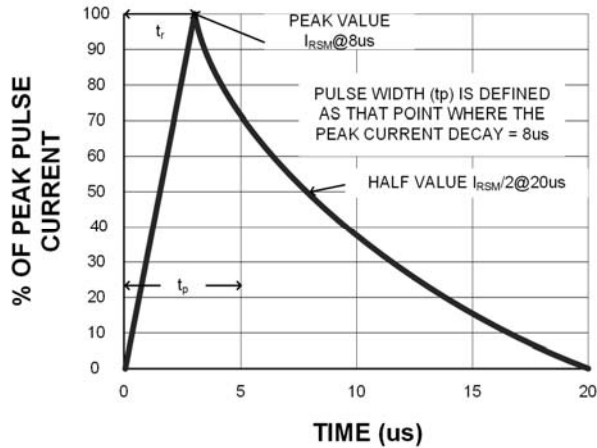
Parameter	Symbol	Value	Unit
Peak Pulse Power (8/20μs)	Ppp	60	W
ESD per IEC 61000-4-2 (Air)	VESD	± 25	Kv
ESD per IEC 61000-4-2 (Contact)		± 15	
Operating Temperature Range	TJ	-55 to +125	°C
Storage Temperature Range	TSTJ	-55 to +150	°C

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

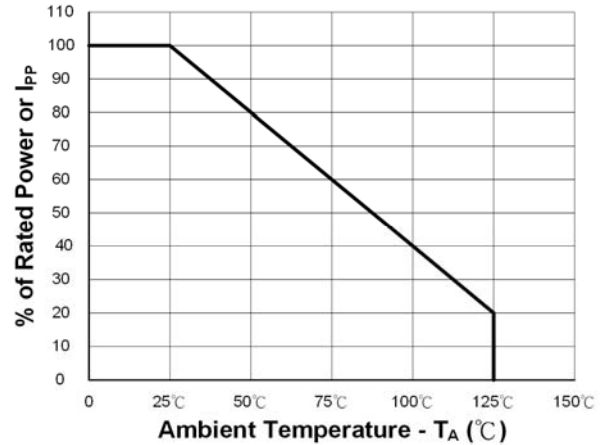
Part Number	Device Marking	V_{RWM} (V)	V_{BR} (V)	I_T (mA)	V_C @1A	V_C		I_R μA (Max)	C (Pf) (Typ.)
						(Max)	(@A)		
SR33-04A	S3R	3.3	4.5	1	6.8	15	4	0.1	0.7

TYPIC CHARACTERISTICS

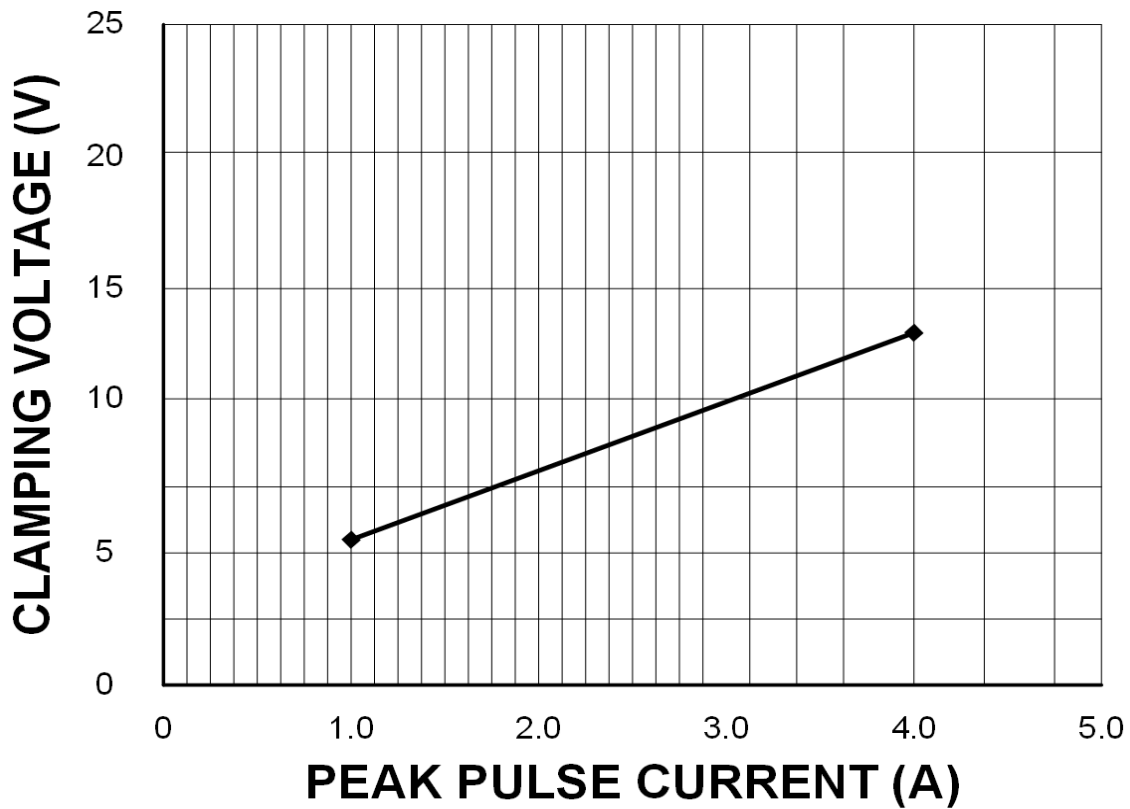
8 x 20 μ s Waveform



Power Derating Curve

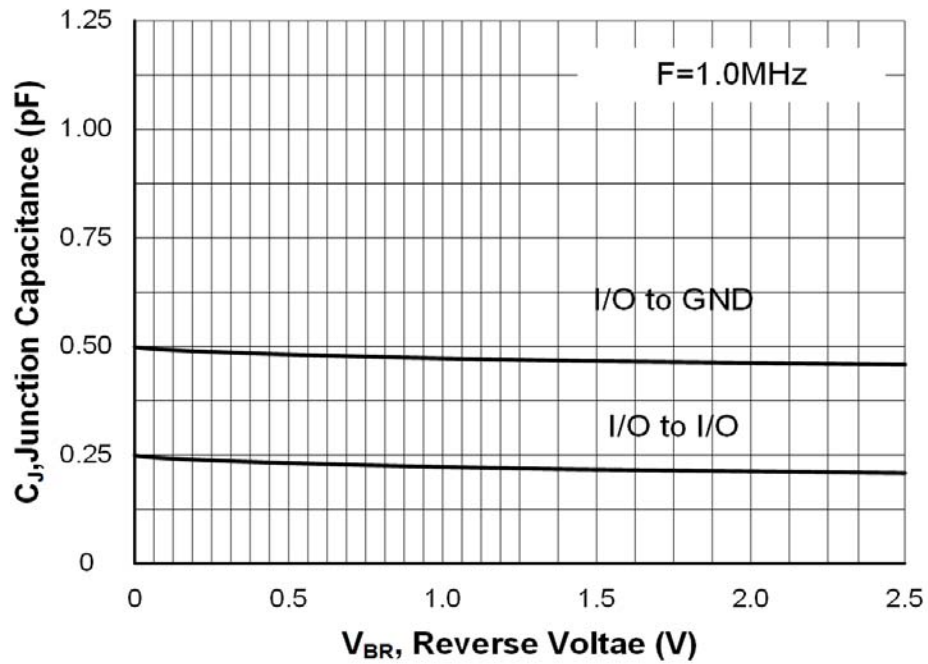


Clamping Voltage vs. Peak Pulse Current ($t_p=8/20\mu s$)

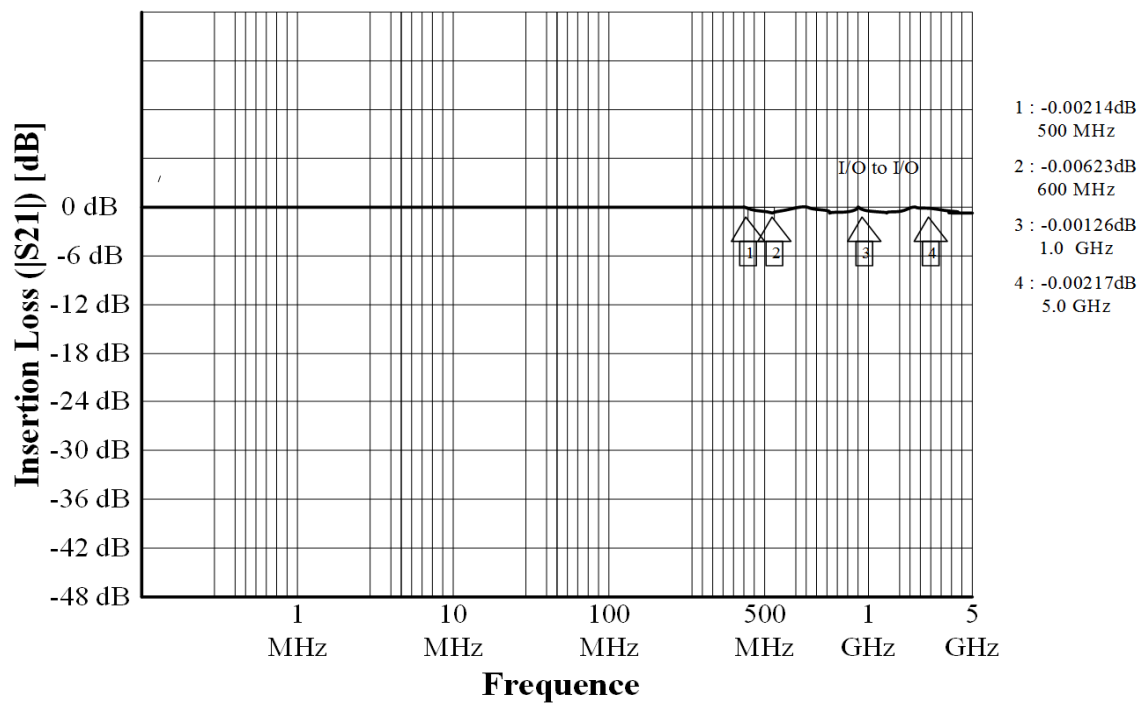


TYPIC CHARACTERISTICS

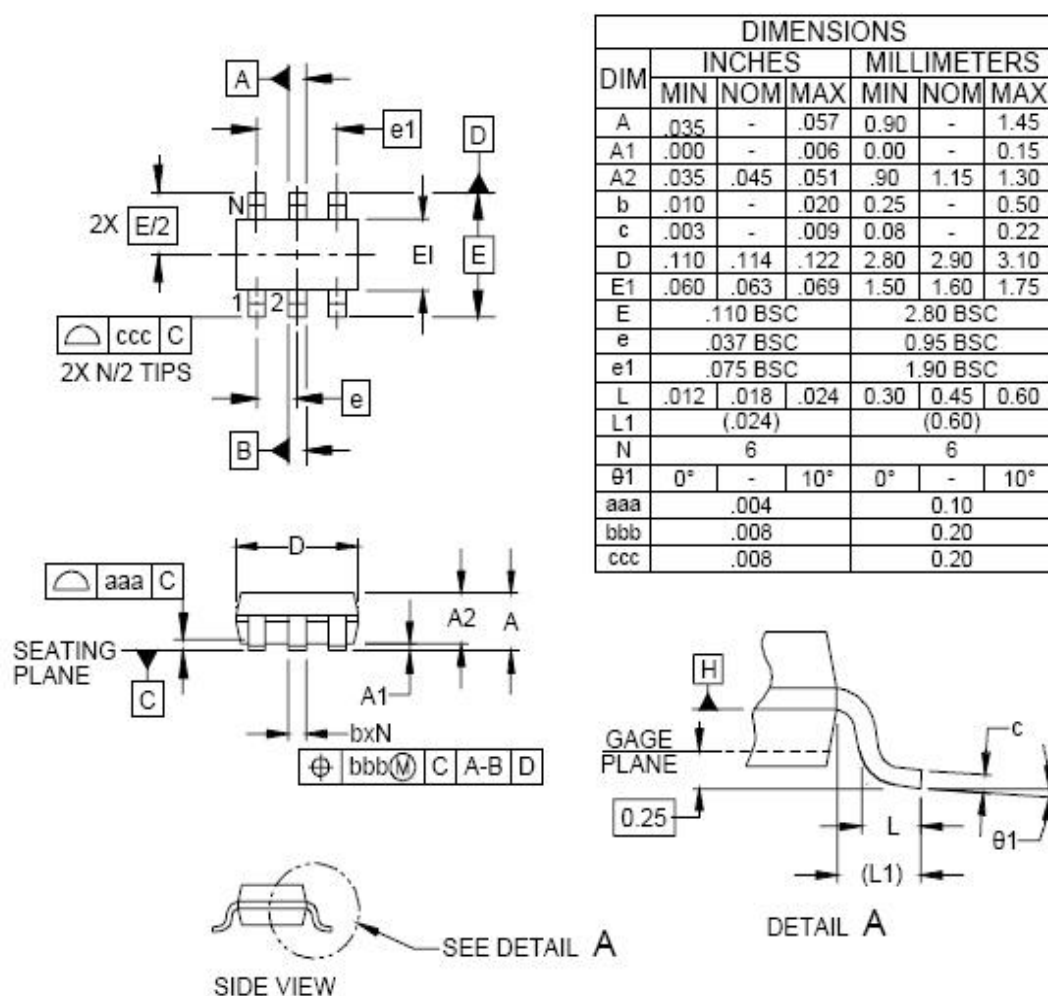
Typic Capacitance vs. Reverse Voltage



Insertion Loss (S21)



SOT-26 PACKAGE OUTLINE & DIMENSIONS



* SOLDERING FOOTPRINT

