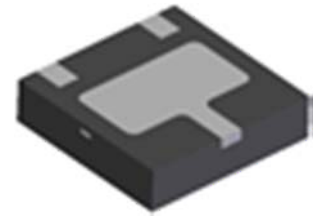




FEATURES

- 4000 Watts peak pulse power ($t_P=8/20\mu s$)
- Low leakage current
- Low clamping voltage
- Solid-state silicon-avalanche technology
- RoHS compliant



DFN2x2-3L

MAIN APPLICATIONS

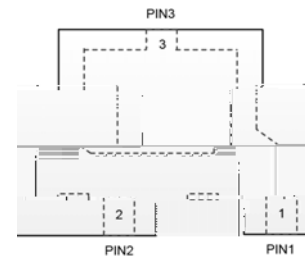
- Power lines
- Personal digital assistants (PDA's)
- Microprocessors based equipment
- Notebooks, desktops, and servers
- Cell phone handsets and accessories
- Portable electronics
- Peripherals



Circuit Diagram

PROTECTION SOLUTION TO MEET

- IEC61000-4-2 (ESD) $\pm 30kV$ (air), $\pm 30kV$ (contact)
- IEC61000-4-4 (EFT) 80A (5/50ns)
- IEC61000-4-5 (Lightning) 110A (8/20 μs)



Pin Configuration

MECHANICAL CHARACTERISTICS

- DFN2x2-3L package
- Molding compound flammability rating: UL 94V-0
- Quantity per reel: 3,000pcs
- Lead finish: lead free
- Marking code: T20

ABSOLUTE MAXIMUM RATINGS (T_A=25℃, RH=45%-75%, unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak pulse power dissipation on 8/20 μs waveform	P _{PP}	4000	W
ESD per IEC 61000-4-2 (Air)	V _{ESD}	+/- 30	kV
ESD per IEC 61000-4-2 (Contact)		+/- 30	
Lead soldering temperature	T _L	260 (10 sec.)	
Operating junction temperature range	T _J	-55 to +125	
Storage temperature range	T		

FIG.3: Pulse derating curve

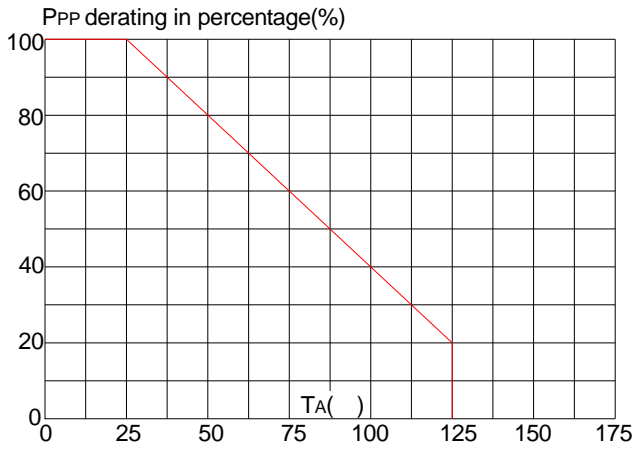


FIG.4: ESD clamping (30kV contact)

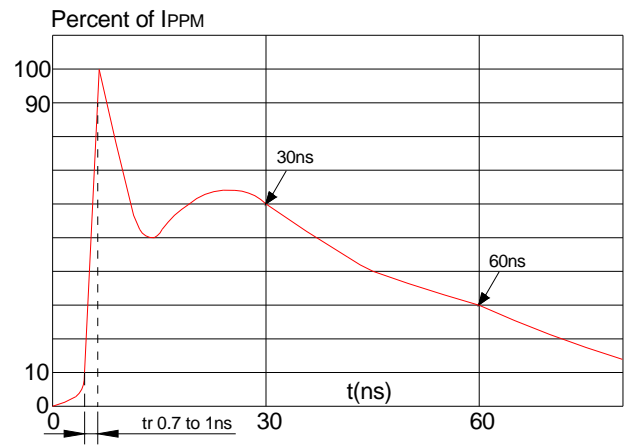


FIG.5: Clamping voltage vs. peak pulse current

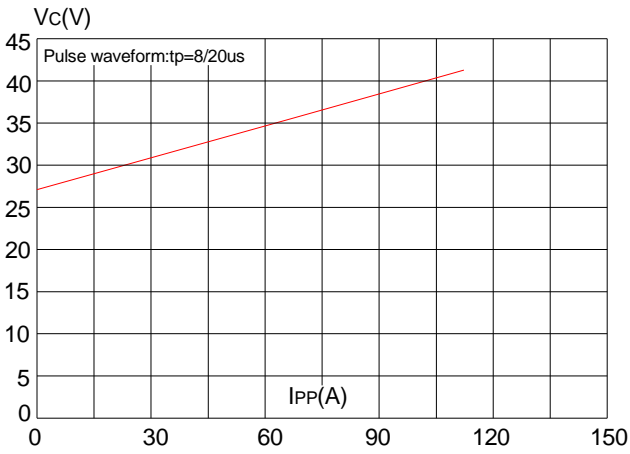
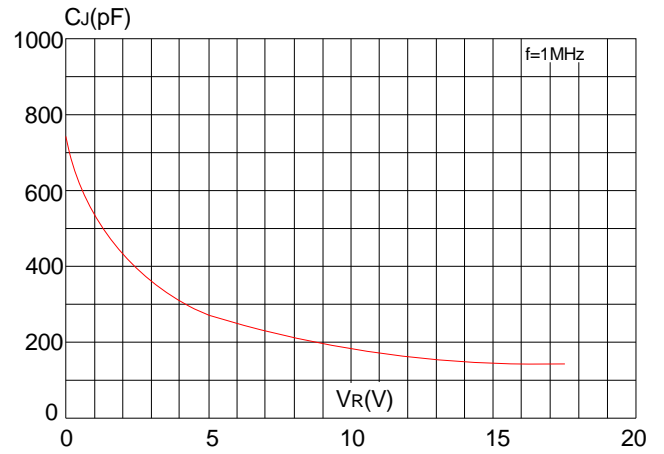


FIG.6: Capacitance vs. reverse voltage



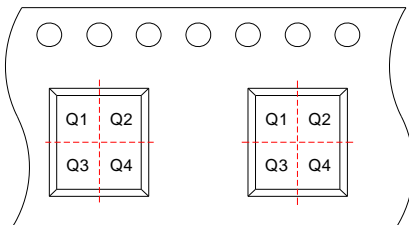
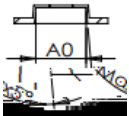
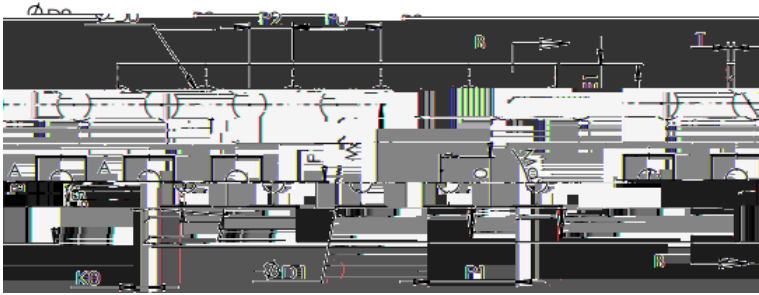
SOLDERING PARAMETERS

Reflow Condition

Pb-Free assembly
(see figure at right)

JEU20N3 for ESD Protection

TAPE AND REEL INFORMATION DFN2x2-3L



➔ User direction of feed

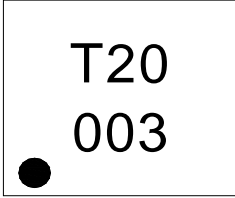
Pin 1 quadrant: Q3

Symbol	Dimensions	
	Millimeters	Inches
	Typ.	Typ.
W	8.00	0.315
P1	4.00	0.157
E1	1.75	0.069
F	3.50	0.138
D0	1.55	0.061
D1	1.00	0.039
P0	4.00	0.157
P1	4.00	0.157
P2	2.00	0.079
A0	2.20	0.087
B0	2.20	0.087
K0	0.70	0.028
T	0.23	0.009

ORDERING INFORMATION

PART No.	PACKAGE TYPE	QUANTITY(PCS) REEL	DESCRIPTION
JEU20N3	DFN2x2-3L	3,000	7 Inch

MARKING CODE

Part Number	Marking Code
JEU20N3	 <p>T20 003</p>

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