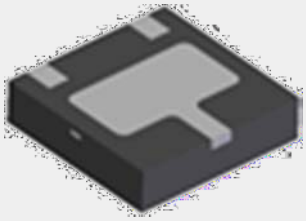
JEU24N[redacted]

FEATURES

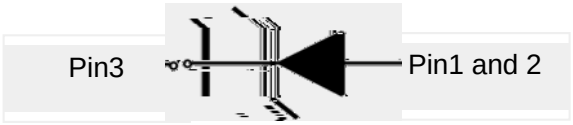
- 6000 Watts peak pulse power dissipation(t_P=8/20μs)
- Low leakage current
- Low clamping voltage
- Solid-state silicon-avalanche technology
- RoHS compliant



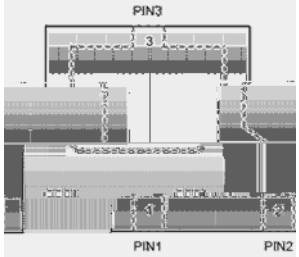
DFN2x2-3L

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



Pin Configuration

PROTECTION SOLUTIONS TO MEET

- IEC61000-4-2 (ESD) ±30kV (air), ±30kV (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (Lightning) 120A (8/20μs)

MECHANICAL CHARACTERISTICS

- DFN2x2-3L package
- Molding compound flammability rating: UL 94V-0
- Quantity per reel: 3,000pcs
- Lead finish: lead free
- Marking code: T24

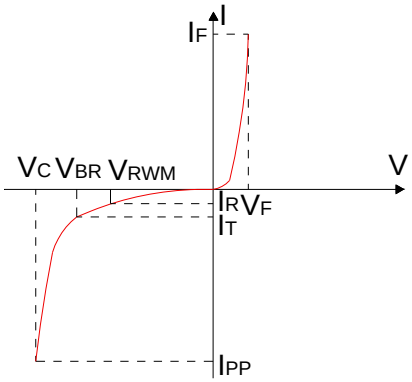
ABSOLUTE MAXIMUM RATINGS (T_A=25 , RH=45%-75%, unless otherwise noted)

Peak pulse power dissipation on 8/20μs waveform	P_{PP}	6000	W
ESD per IEC 61000-4-2 (Air) ESD per IEC 61000-4-2 (Contact)	V_{ESD}	+/- 30 +/- 30	kV
Lead soldering temperature	T_L	260 (10 sec.)	
Operating junction temperature range	T_J	-55 to +125	
Storage temperature range	T_{STG}	-55 to +150	

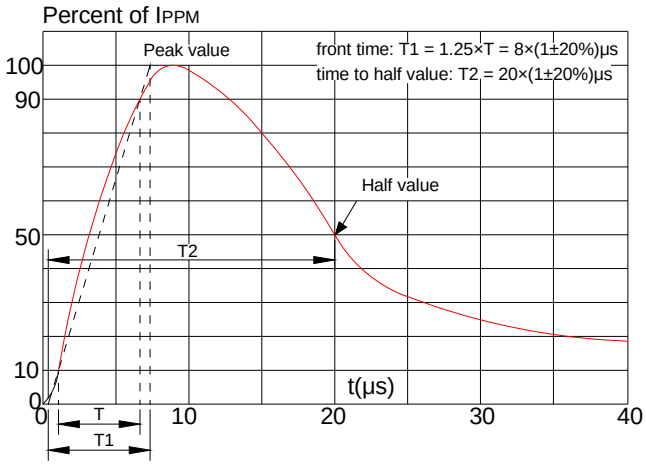
ELECTRICAL CHARACTERISTICS (=25)

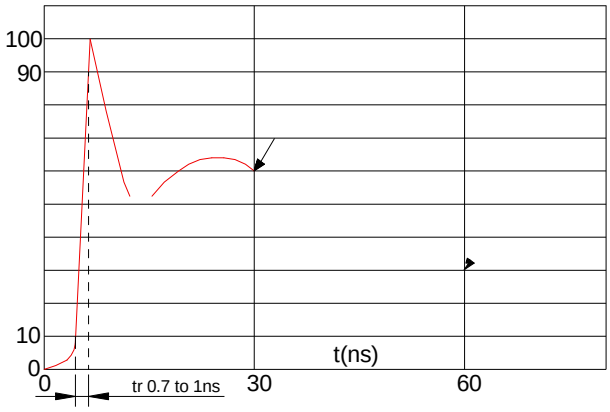
Reverse working voltage	V_{RWM}				24	V
Reverse breakdown voltage	V_{BR}	I_T=1mA	26	27	30	V
Reverse leakage current	I_R	V_{RWM}=24V			1	μA
Clamping voltage	V_C	I_{PP}=50A,t_P=8/20μs		45	50	V
		I_{PP}=120A,t_P=8/20μs		52	60	
Junction capacitance	C_J	V_{RWM}=0V, f=1MHz		750		pF

RATINGS AND V I CHARACTERISTICS CURVES (T_A=25 , unless otherwise noted)

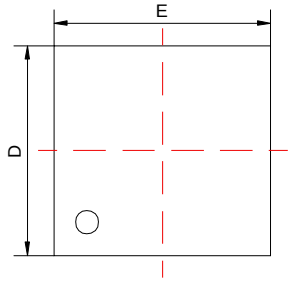


(8/20μs)

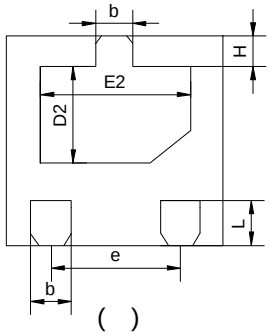



100
90
10
0
0
tr 0.7 to 1ns
30
60
t(ns)

PACKAGE MECHANICAL DATA



Top view



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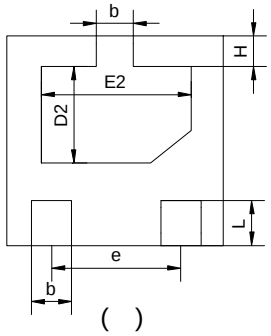

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Bottom viewi233(w)]TJ 8059937 re f 274.5 633.02 NT q 1

MARKING CODE

Part Number	Marking Code
JEU24N3