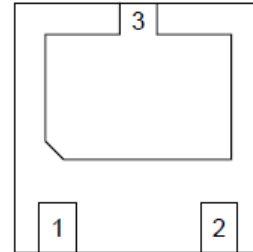


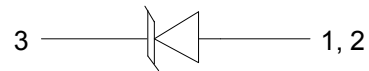
### Features

- 6000W peak pulse power (8/20 $\mu$ s)
- Low leakage: nA level
- Low operating voltage: 28V
- Ultra low clamping voltage
- One power line protects
- Complies with following standards:
  - IEC 61000-4-2 (ESD) immunity test  
Air discharge:  $\pm 30$ kV  
Contact discharge:  $\pm 30$ kV
  - IEC61000-4-4 (EFT) 80A (5/50ns)
  - IEC61000-4-5 (Lightning) 120A (8/20 $\mu$ s)
- RoHS Compliant

### Dimensions DFN2020-3



### Pin Configuration



### Applications

- Cell phone handsets and accessories
- Personal digital assistants (PDA's)
- Notebooks, desktops, and servers
- Portable instrumentation
- Cordless phones
- Digital cameras
- Peripherals
- MP3 players

### Mechanical Characteristics

- Package: DFN2020-3
- Case Material: "Green" Molding Compound
- UL Flammability Classification Rating 94V-0
- Quantity Per Reel: 3,000pcs
- Device Marking: 28A

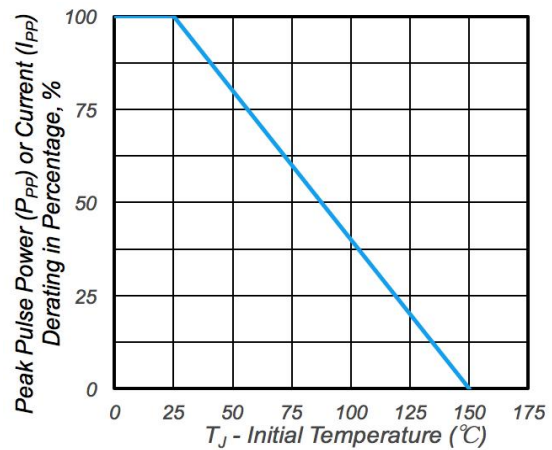
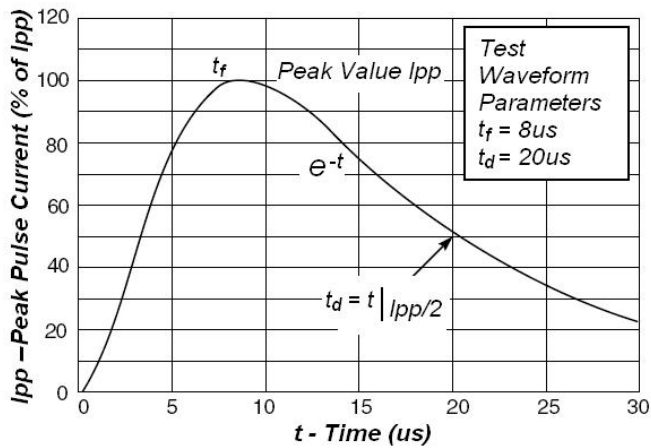
### Absolute Maximum Ratings (Tamb=25°C unless otherwise specified)

Parameter	Symbol	Value	Unit
Peak Pulse Power (8/20 $\mu$ s)	PppM	6000	W
ESD per IEC 61000-4-2 (Air)	V <sub>ESD</sub>	$\pm 30$	Kv
ESD per IEC 61000-4-2 (Contact)		$\pm 30$	
Operating Temperature Range	T <sub>J</sub>	-40 to +125	°C
Storage Temperature Range	T <sub>STJ</sub>	-40 to +125	°C

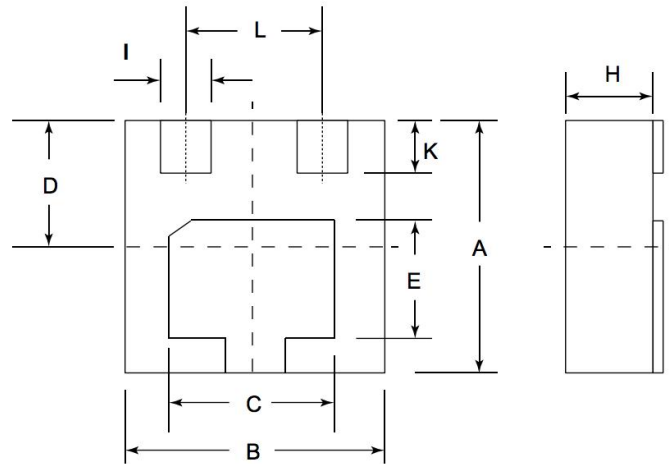
**Electrical Characteristics** (TA=25°C unless otherwise specified)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Reverse Working Voltage	V <sub>RWM</sub>				28	V
Breakdown Voltage	V <sub>BR</sub>	I <sub>T</sub> = 1mA	29			V
Reverse Leakage Current	I <sub>R</sub>	V <sub>RWM</sub> = 28V			1.0	μA
Clamping Voltage	V <sub>C</sub>	I <sub>PP</sub> = 120A (8 x 20 μs pulse)			50	V
Junction Capacitance	C <sub>J</sub>	V <sub>R</sub> = 0V, f = 1MHz		650		pF

**Ratings and Characteristic Curves** (TA=25°C unless otherwise noted)



DFN2020-3 Package Outline Drawing



Dim	Millimeters	
	Min	Max
A	1.90	2.10
B	1.90	2.10
C	1.40	1.60
D	0.95	1.05
E	0.90	1.10
H	-----	0.65
L	1.3 (TYP)	
I	0.25	0.35
K	0.35	0.45

NOTICE

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