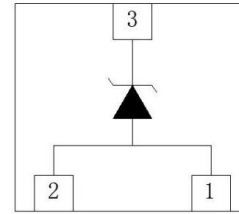


Features

- 5400 Watts Peak Pulse Power per Line ($t_p = 8/20\mu s$)
- Bidirectional Configuration
- Protects One Power or I/O Port
- ESD Protection > 40 kilovolts
- Low Clamping Voltages



Marking	Package	shipping
T12	DFN2020-3L	3000/Tape&Reel

IEC Compatibility (EN61000-4)

- IEC 61000-4-2 (ESD) :±30kV (air), ±30kV (contact)
- IEC 61000-4-5(Surge): 180A, 8/20μs

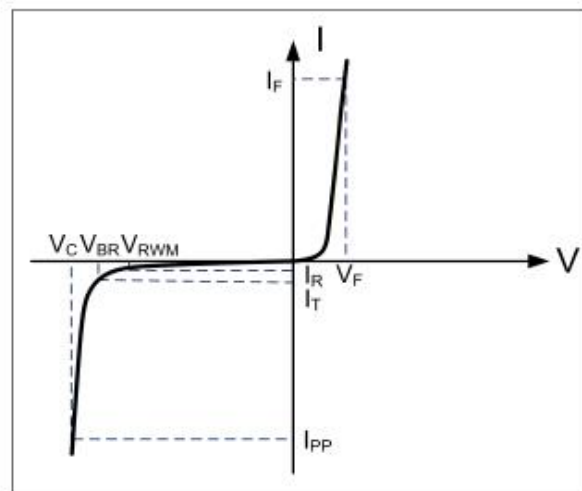
Applications

- Ethernet - 10/100/1000 Base T
- Cellular Phones
- Handheld - Wireless Systems
- Personal Digital Assistant (PDA)
- USB Interface

Electrical Parameters

Parameter	Symbol	Value	Units
Peak pulse power ($t_p=8/20\mu s$)	P_{PP}	5400	Watts
Operating Temperature	T_J	-55°C~125°C	°C
Storage Temperature	T_{STG}	-55°C~150°C	°C

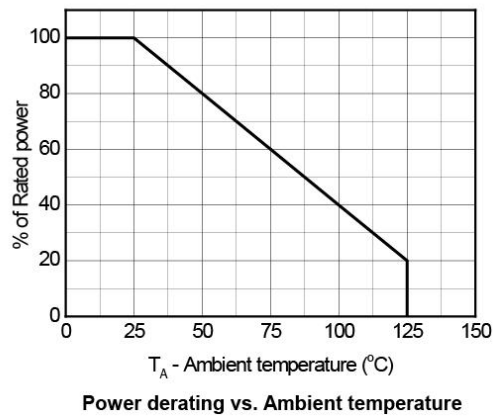
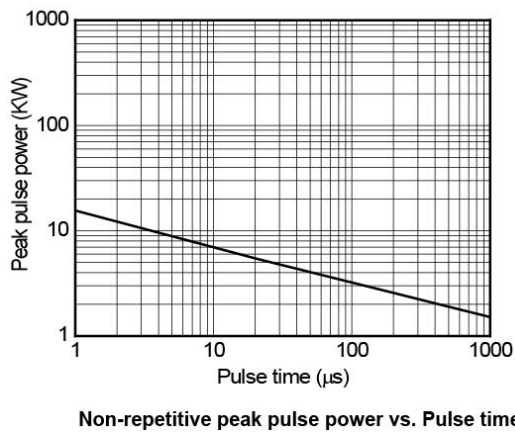
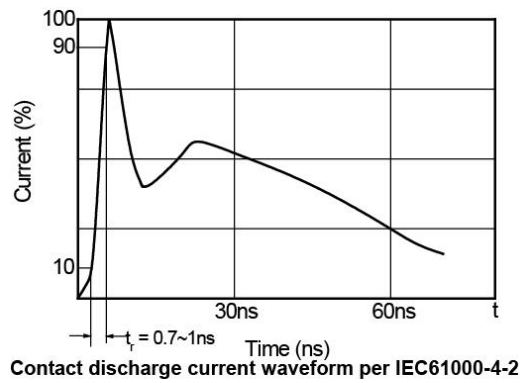
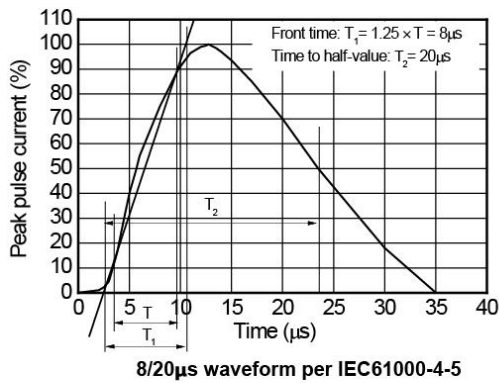
Symbol	Parameter
I_{PP}	Maximum Reverse Peak Pulse Current
V_C	Clamping Voltage @ I_{PP}
V_{RWM}	Working Peak Reverse Voltage
I_R	Maximum Reverse Leakage Current @ V_{RWM}
V_{BR}	Breakdown Voltage @ I_T
I_T	Test Current
I_F	Forward Current
V_F	Forward Voltage @ I_F

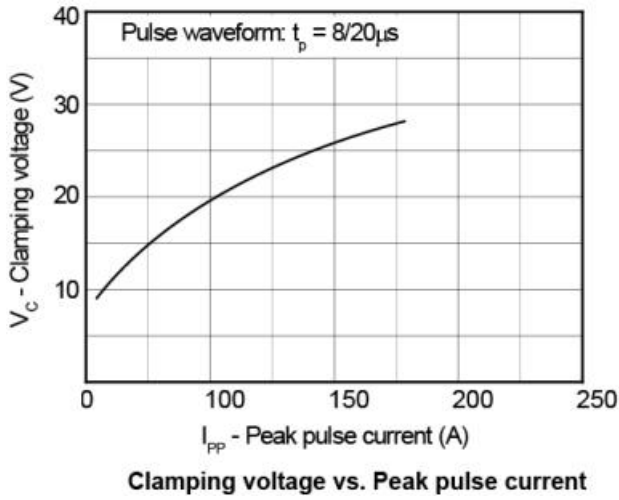


Ratings and characteristic curves ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

Parameter	Symbol	Condition	Min	Max	Units
Reverse Stand-off Voltage	V_{RWM}			12	V
Reverse Breakdown Voltage	$V_{BR}(\text{min})$	$I_Z=1\text{mA}$	13.0		V
Reverse Leakage Current	$I_R(\text{max})$	@ V_{RWM}		1.0	μA
Clamping Voltage	V_C	$I_{PP}=180\text{A}$ $t_p=8/20\mu\text{s}$		30	V
Peak Pulse Current	I_{PP}	$t_p=8/20\mu\text{s}$	180		A

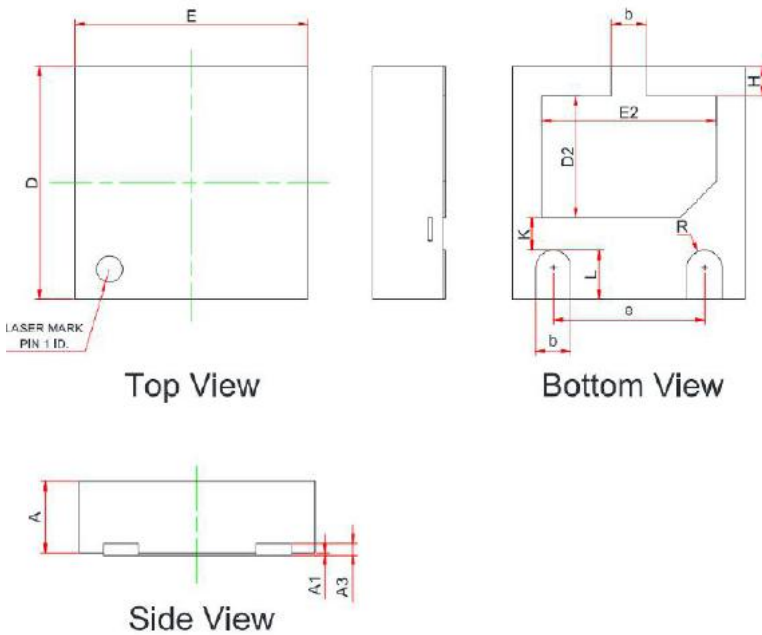
Typical Characteristics





Dimensions

DFN2020-3L



SYM	DIMENSIONS		
	MILLIMETERS		
	MIN	NOM	MAX
A	0.50	0.55	0.65
A1	0.00	0.02	0.05
A3	0.10REF		
b	0.25	--	0.35
D	1.90	--	2.10
E	1.90	--	2.10
D2	0.95	--	1.15
E2	1.40	--	1.60
e	1.20		1.40
H	0.20	--	0.30
K	0.20		0.40
L	0.35	--	0.45
R	0.13	--	--