

Features

- · Protects Up to 8 Lines
- · Ultra Low Clamping Voltage
- · Ultra Low Leakage
- Low Capacitance
- · Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C

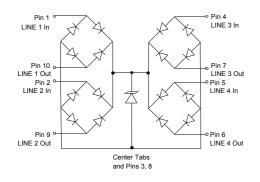
MCC Part Number	Device Marking		
ESDLC3374P9	3374N		

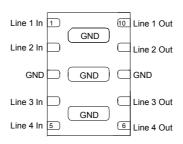
IEC61000-4-2(ESD)	Air Contact	±30KV ±30KV
Peak Pulse Current(8/20µs)	I _{PP}	40A
Peak Pulse Power (8/20µs)	P _{PK}	1000W

Note:

1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

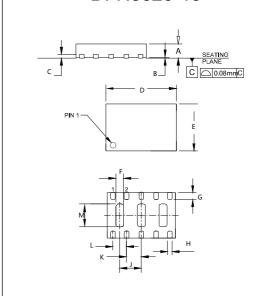
Circuit and Pin Schematic





ESD Protection Device

DFN3020-10



	DIMENSIONS					
DIM	INCHES		MM		NOTE	
DIIVI	MIN	MAX	MIN	MAX	NOTE	
Α	0.020	0.026	0.50	0.65		
В	0.000	0.002	0.00	0.05		
С	0.006		0.15		TYP.	
D	0.114	0.122	2.90	3.10		
E	0.075	0.083	1.90	2.10		
F	0.010	0.018	0.25	0.45		
G	0.010	0.014	0.25	0.35		
Н	0.006	0.010	0.15	0.25		
J	0.037		0.95		TYP.	
K	0.020		0.65		TYP.	
L	0.024		0.60		TYP.	
М	0.037	0.041	0.95	1.05		

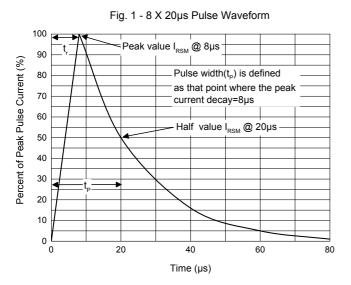


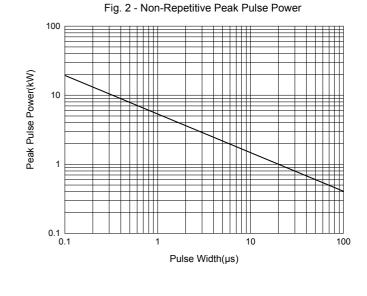
Electrical Characteristics @ 25°C (Unless Otherwise Specified)

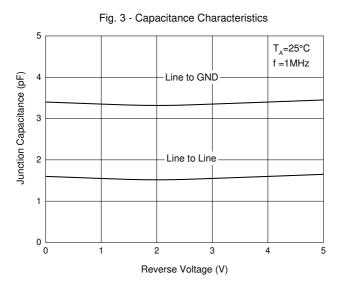
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				3.3	V
Punch-Through Voltage	V _{PT}	I _T =2μA	3.5			V
Snap-Back Voltage	V _{SB}	I _{SB} =50mA	2.8			V
Reverse Leakage Current	I _R	V _{RWM} =3.3V			0.5	μA
Clamping Voltage	V _C	I _{PP} =1A, t _P =8/20μs, Any I/O Pin to Ground			5.5	V
Clamping Voltage	V _C	I _{PP} =10A, t _P =8/20μs, Any I/O Pin to Ground			10.5	V
Clamping Voltage	V _C	I _{PP} =25A, t _P =8/20μs, Any I/O Pin to Ground			18	V
Clamping Voltage	V _C	I _{PP} =40A, t _P =8/20μs, Line to Line (Two I/O Pins Connected Together on Each Line)			25	V
Junction Capacitance	CJ	V _R =0V, f=1MHz, Between I/O Pins		1.7	2.5	pF
Junction Capacitance	CJ	V _R =0V, f=1MHz, Any I/O Pin to Ground		3.8	5	pF

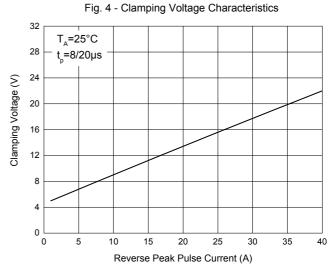


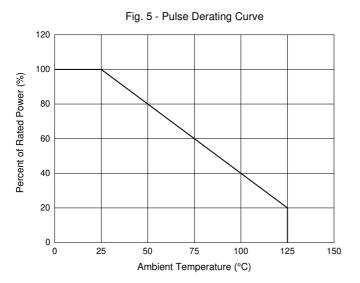
Curve Characteristics













Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

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