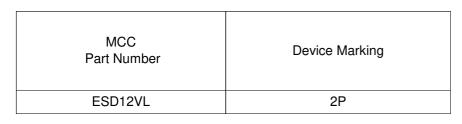


Features

- Protects One Data or Power Line
- Low Clamping Voltage
- Ultra Low Leakage: nA Level
- Moisture Sensitivity Level 1
- Halogen Free. "Green" Device (Note 1)
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

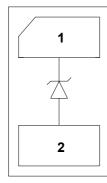
- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C



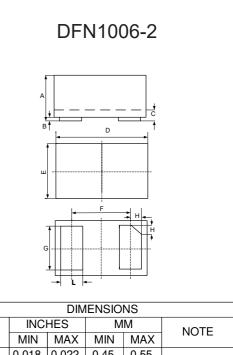
IEC61000-4-2(ESD)	Air Contact	±30KV ±30KV
IEC61000-4-4 (EFT) @5/50ns		40A
IEC61000-4-5(Surge) @8/20us	I _{PP}	12A
Peak pulse power(tp=8/20us)	P _{PP}	300W

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

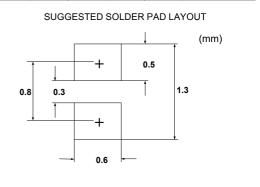
Circuit and Pin Schematic







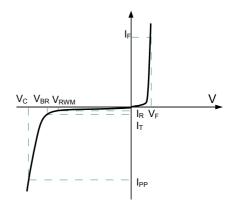
DIMENSIONS					
DIM	INCHES		M	М	NOTE
	MIN	MAX	MIN	MAX	NOTE
А	0.018	0.022	0.45	0.55	
В	0.000	0.002	0.00	0.05	
С	0.005	0.007	0.12	0.18	
D	0.037	0.041	0.95	1.05	
Е	0.022	0.026	0.55	0.65	
F	0.0)26	0.6	650	TYP.
G	0.018	0.022	0.45	0.55	
Н	0.003	0.007	0.07	0.17	
L	0.008	0.012	0.20	0.30	





Symbol	Parameter	
V _{RWM}	Peak Reverse Working Voltage	
I _R	Reverse Leakage Current @ V _{RWM}	
V _{BR}	Breakdown Voltage @ I _T	
Ι _Τ	Test Current	
I _{PP}	Maximum Reverse Peak Pulse Current	
Vc	Clamping Voltage @ IPP	
P _{PP}	Peak Pulse Power	
CJ	Junction Capacitance	
l _F	Forward Current	
V _F	Forward Voltage @ I _F	

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

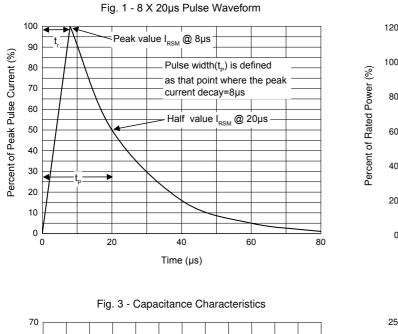


Electrical Characteristics per line @ 25°C (Unless Otherwise Specified)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Stand-Off Voltage	V _{RWM}				12	V
Reverse Breakdown Voltage	V _{BR}	I _T =1mA	13.3			V
Reverse Leakage Current	I _R	V _{RWM} =12V			0.1	μA
Forward Voltage	V _F	I _F =10mA		1	1.2	V
Clamping Voltage	V _C	I _{PP} =1A, t _P =8/20μs			15	V
Clamping Voltage	V _C	I _{PP} =12A, t _P =8/20µs			25	V
Junction Capacitance	CJ	$V_R = 0V, f = 1MHz$		60		pF



Curve Characteristics



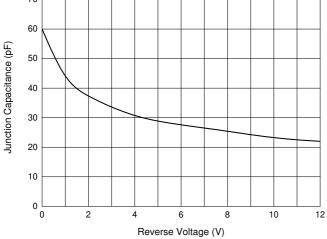
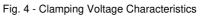
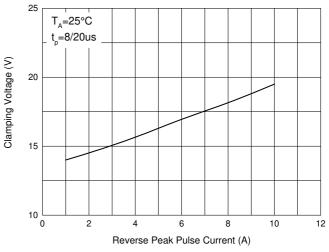


Fig. 2 - Pulse Derating Curve







Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel

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