

Features

- ESD Protection of One Line
- Low Leakage Current
- Low Clamping Voltage
- 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

	Air	±30KV		
IEC61000-4-2 (ESD)	Contact	±30KV		
Peak Pulse Current (8/20µs)	I _{PP}	22A		
Peak Pulse Power (8/20µs) ^(Note2)	P _{PK}	570W		
Operating Junction Temperature Range	TJ	-55°C to +125°C		
Storage Temperature Range	T _{STG}	-55°C to +150°C		

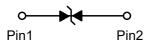
Note :

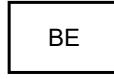
1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

2. Non-repetitive current pulse 8/20 µs exponential decay waveform according to IEC61000-4-5.

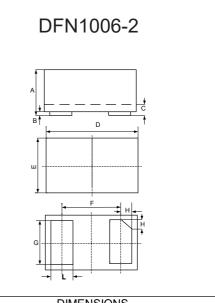
Internal Structure

Marking Code

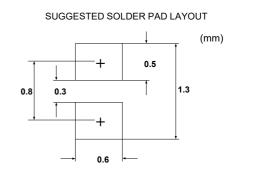






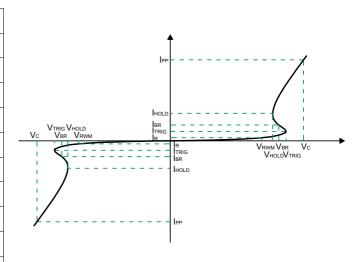


	DIMENSIONS				
DIM	INC	HES	MM		NOTE
Divi	MIN	MAX	MIN	MAX	NOTE
Α	0.018	0.022	0.45	0.55	
В	0.000	0.002	0.00	0.05	
С	0.005	0.007	0.12	0.18	
D	0.037	0.041	0.95	1.05	
E	0.022	0.026	0.55	0.65	
F	0.0	026	0.6	650	TYP.
G	0.018	0.022	0.45	0.55	
Н	0.003	0.007	0.07	0.17	
L	0.008	0.012	0.20	0.30	





Symbol	Parameter	
V _{RWM}	Peak Reverse Working Voltage	
۱ _R	Reverse Leakage Current @ VRWM	
V _{BR}	Breakdown Voltage @ IT	
I _{PP}	Maximum Reverse Peak Pulse Current	
V _C	Clamping Voltage @ IPP	
V _{TRIG}	Reverse Trigger Voltage	
I _{TRIG}	Reverse Trigger Current	
V _{HOLD}	Reverse Holding Voltage	
I _{HOLD}	Reverse Holding Current	
CJ	Junction Capacitance	
1	The second se	



Electrical Characteristics @ 25°C (Unless Otherwise Specified)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}				15	V
Reverse Breakdown Voltage	V_{BR}	I _T =1mA	16			V
Reverse Leakage Current	I _R	V _{RWM} =15V			0.2	μA
Clamping Voltage ^{Note1}	V _c	I _{PP} =1A, t _P =8/20μs			20	V
Clamping Voltage ^{Note1}	V _c	I _{PP} =22A, t _P =8/20μs			26	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		35		pF
Dynamic Resistance Note2	R _{DYN}	TLP, t _P =100ns		0.01		Ω

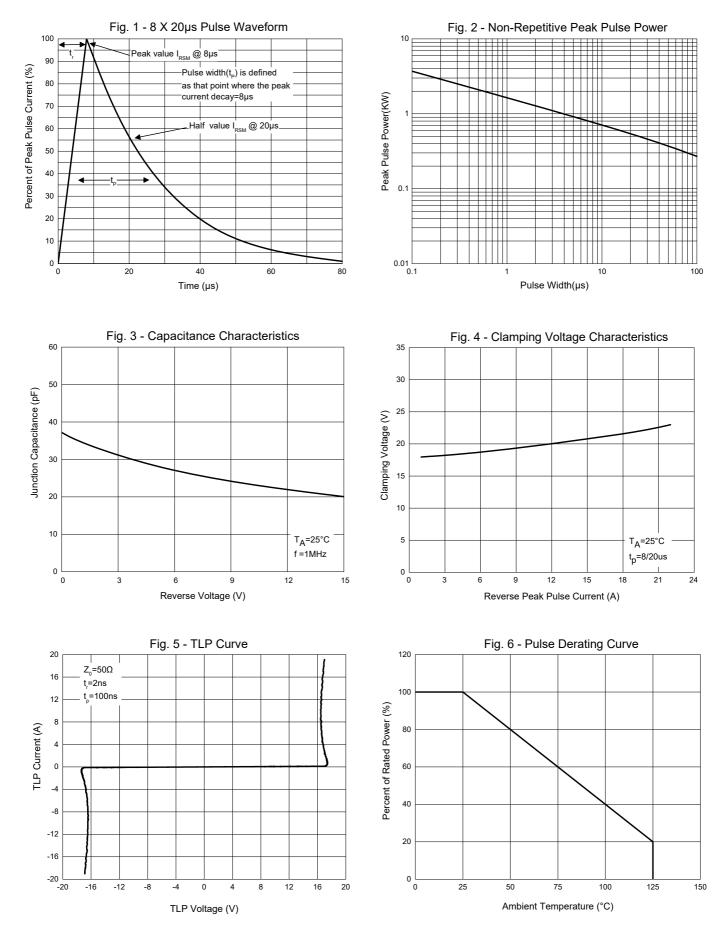
Note :

1.Non-repetitive current pulse 8/20µs exponential decay waveform according to IEC61000-4-5.

2.TLP parameter: $Z_0=50\Omega$, tp=100ns, tr=2ns, averaging window from 60ns to 80ns. R_{DYN} is calculated from 4A to 16A.



Curve Characteristics





Ordering Information

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

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