

Features

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

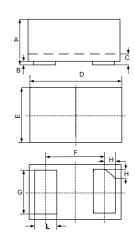
ESD Protection Device

Maximum Ratings

IEC61000-4-2(ESD)	Air	±20KV	
IEC61000-4-2(E3D)	Contact	±15KV	
Peak pulse power(tp=8/20us)	PPK	Í€W	
Operating Junction Temperature Range	TJ	-55°C to +125°C	
Storage Temperature Range	TSTG	-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.

DFN1006-2

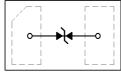


DIMENSIONS					
DIM	INCHES		MM		NOTE
DIIVI	MIN	MAX	MIN	MAX	INOTE
Α	0.018	0.022	0.45	0.55	
В	0.000	0.002	0.00	0.05	
C	0.005	0.007	0.12	0.18	
D	0.037	0.041	0.95	1.05	
Е	0.022	0.026	0.55	0.65	
F	0.026		0.026 0.650		TYP.
G	0.018	0.022	0.45	0.55	
Ι	0.003	0.007	0.07	0.17	
L	0.008	0.012	0.20	0.30	

Marking Information



Internal Structure



PIN1 PIN2

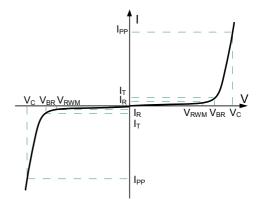
Transparent top view

SUGGESTED SOLDER PAD LAYOUT (mm) 0.8 0.3 1.3



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

Symbol	Parameter		
I _{PP}	Maximum Reverse Peak Pulse Current		
Vc	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		
С	Capacitance @V _R =0 and f =1MHz		

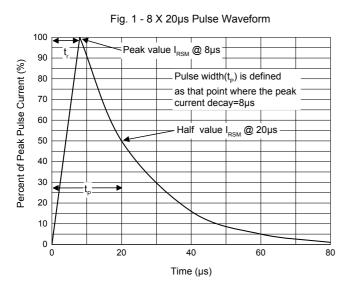


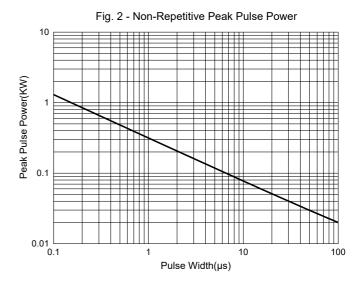
Electrical Characteristics per line @ 25°C (Unless Otherwise Specified)

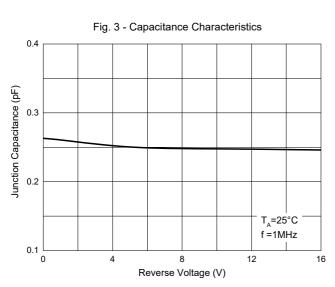
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V _{RWM}	Pin 1 to Pin 2			16	V
		Pin 2 to Pin 1			10	V
Davissa Davidava Valtaria	N /	IT = 1mA, Pin 1 to Pin 2	16.5			V
Reverse Breakdown Voltage	V_{BR}	IT = 1mA, Pin 2 to Pin 1	10.5			V
Reverse Leakage Current	I _R	VRWM = 16V, Pin 1 to Pin 2			0.5	uA
		VRWM = 10V, Pin 2 to Pin 1			0.5	uA
TLP Clamping Voltage	V _C	IPP = 8A , Pin 1 to Pin 2		32		V
TLP Clamping Voltage	V _C	IPP = 8A , Pin 2 to Pin 1		19		V
TLP Clamping Voltage	V _C	IPP = 16A , Pin 1 to Pin 2		33		V
TLP Clamping Voltage	V _C	IPP = 16A , Pin 2 to Pin 1		23		V
Junction Capacitance	CJ	$V_R = 0V$, $f = 1MHz$		0.3		pF

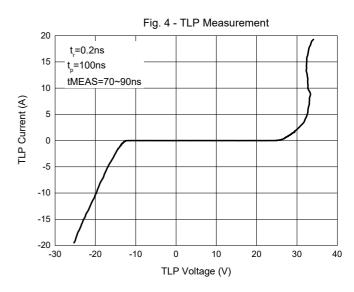


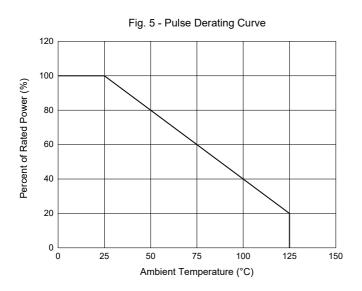
Curve Characteristics













Ordering Information

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

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