

Features

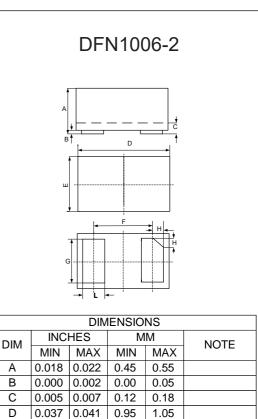
- Ultra Low Capacitance
- Ultra Low Leakage
- Low Clamping Voltage •
- Halogen Free. "Green" Device (Note 1) •
- Epoxy Meets UL 94 V-0 Flammability Rating •
- Moisture Sensitivity Level 1 •
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

	Air	±20KV	
IEC61000-4-2(ESD)	Contact	±15KV	
Peak pulse power(tp=8/20us)	Ррк	Í€W	
Operating Junction Temperature Range	ТJ	-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.

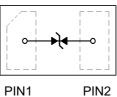




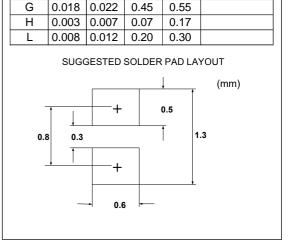
Marking Information



Internal Structure



Transparent top view



0.55

Е

F

0.022 0.026

0.026

0.65

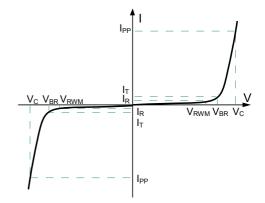
0.650

TYP.



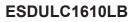
ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

Symbol	Parameter		
I _{PP}	Maximum Reverse Peak Pulse Current		
Vc	Clamping Voltage @ IPP		
V _{RWM}	Working Peak Reverse Voltage		
I _R	Maximum Reverse Leakage Current @ V _{RWM}		
V _{BR}	Breakdown Voltage @ I _T		
Ι _Τ	Test Current		
С	Capacitance $@V_R=0$ and f =1MHz		



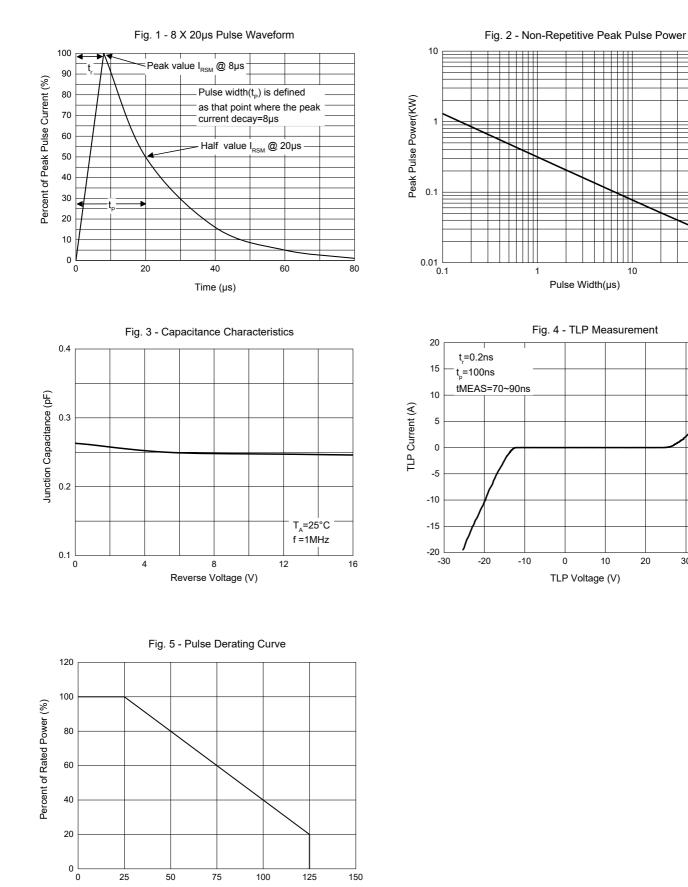
Electrical Characteristics per line @ 25°C (Unless Otherwise Specified)

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
Reverse Breakdown Voltage		IT = 1mA, Pin 1 to Pin 2	16.5			V
	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	Vc	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



Ambient Temperature (°C)



Ordering Information

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

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