

Features

- · Package with Wettable Flank
- · ESD Protection of Four Line
- · Low Clamping Voltage
- Ultra Low Capacitance
- · 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)

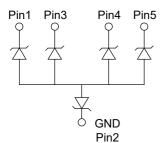
Maximum Ratings

JEC64000 4 2 /ESD)	Air	±15KV		
IEC61000-4-2 (ESD)	Contact	±8KV		
Peak Pulse Current (8/20µs)	I _{PP}	3A		
Peak Pulse Power (8/20µs) ^(Note2)	P _{PK}	50W		
Operating Junction Temperature Range	Т	-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

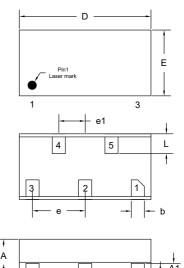


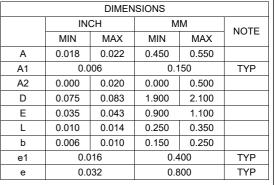
Marking Code



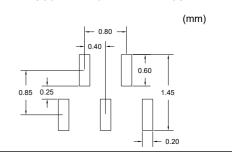
ESD Protection Device

DFN2010-5(SWF)



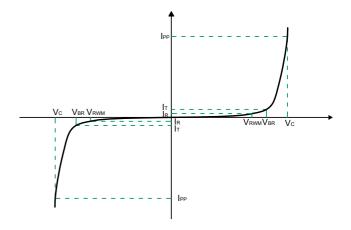


SUGGESTED SOLDER PAD LAYOUT





Symbol	Parameter		
V _{RWM}	Peak Reverse Working Voltage		
I _R	Reverse Leakage Current @ VRWM		
V_{BR}	Breakdown Voltage @ IT		
IT	Test Current		
I _{PP}	Maximum Reverse Peak Pulse Current		
V _C	Clamping Voltage @ IPP		
P _{PK}	Peak Pulse Power		
CJ	Junction Capacitance		



Electrical Characteristics @ 25°C (Unless Otherwise Specified)

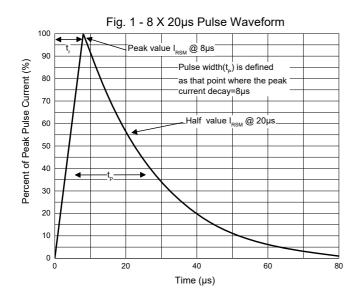
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V_{RWM}				5	V
Reverse Breakdown Voltage	V_{BR}	I _T =1mA	6			V
Reverse Leakage Current	I _R	V _{RWM} =5V			0.2	μA
Clamping Voltage ^{Note1}	V _C	I _{PP} =1A, t _P =8/20μs		11	14	V
Clamping Voltage ^{Note1}	V _C	I _{PP} =3A, t _P =8/20μs		15	20	V
Junction Capacitance	CJ	V _R =0V, f=1MHz		0.3		pF

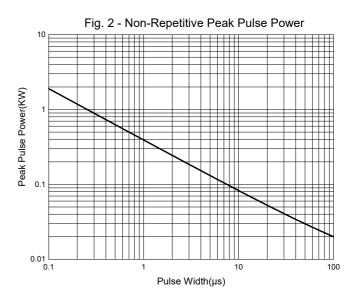
Note:

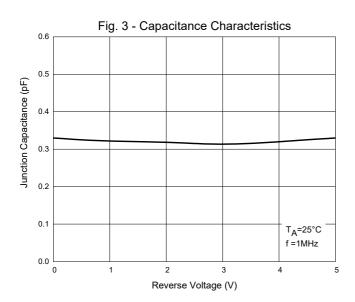
^{1.}Non-repetitive current pulse 8/20µs exponential decay waveform according to IEC61000-4-5.

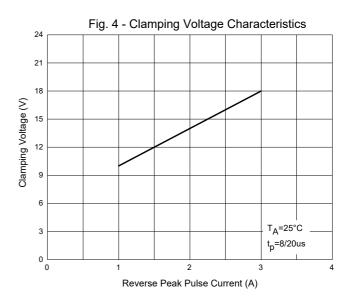


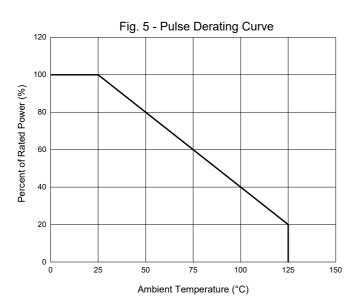
Curve Characteristics













Ordering Information

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

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