



ESD Array

Peak Pulse Power - 150 Watts

Features

- Meet IEC61000-4-2 (ESD) ±17kV (air), ±12kV (contact)
- Meet IEC61000-4-4 (EFT) rating. 40A (5/50 µs)
- Meet IEC61000-4-5 (Lightning) rating. 5A (8/20 µs)
- Protects four high speed I/O lines
- Working Voltage : 5V
- Pb free version, RoHS compliant, and Halogen free

Mechanical Data

- Case: DFN2510-10 standard package, molded plastic
- Terminal: Au/Sn plated, Lead free, solderable per MIL-STD-202,
- Method 202 guaranteed
- Working Voltage: 5VMarking Code: P524
- ●MSL: Level 1

DFN2510-10

Dimensions	Unit	(mm)	Unit (inch)		
	Min	Max	Min	Max	
Α	2.45	2.55	0.096	0.100	
В	0.95	1.05	0.037	0.041	
С	0.45	0.55	0.018	0.022	
D	0.45	0.55	0.018	0.022	
Е	0.30	0.40	0.012	0.016	
F	0.45	0.55	0.018	0.022	
G	0.45	0.55	0.018	0.022	
Н	0.15	0.25	0.006	0.010	
I	0.35	0.45	0.014	0.018	

Package Outline Dimensions in Inches (Millimeters)

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

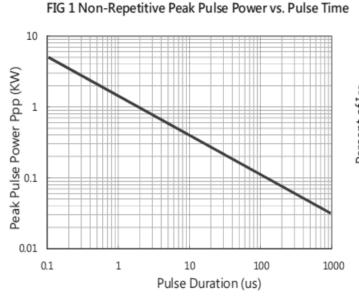
For capacitive load, derate current by 20%.

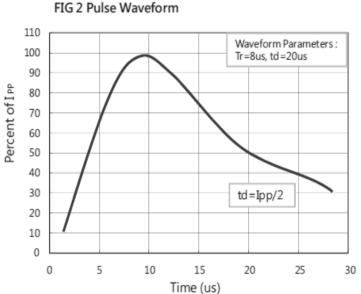
Characteristics		Min	Тур	Max	Unit
		P524			
Peak Pulse Power,tp = 8 / 20 us((According to IEC61000-4-5))	Ppp		150		W
Maximum Peak Pulse Current,tp = 8 / 20 us((According to IEC61000-4-5)			5		Α
ESD per IEC 61000-4-2 (Air)			<u>+</u> 17		kV
ESD per IEC 61000-4-2 (Contact)	VESD		+12		kV
Operating Junction Temperature	Tj	-55		150	$^{\circ}\mathbb{C}$
Storage Temperature	Tstg	-55		150	$^{\circ}\mathbb{C}$
Reverse Stand-Off Voltage	VRWM			5	V
Reverse Breakdown Voltage, It = 1mA	VBR	6.0			V
Reverse Leakage Current, VRWM = 5V	lr			1	uA
Clamping Voltage, lpp = 1A, tp = 8/20 us				15	V
Clamping Voltage, lpp = 5A, tp = 8/20 us	Vc			125	V
Junction Capacitance,Between I/O Pin and GND VR=0V, f=1MHz	Cj		0.6	0.8	pF

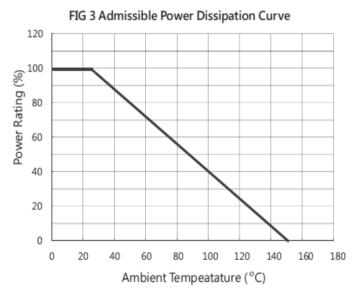
Notes: Valid provided that electrodes are kept at ambient temperature.

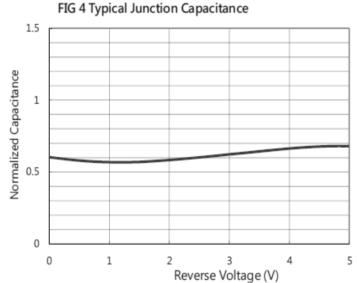
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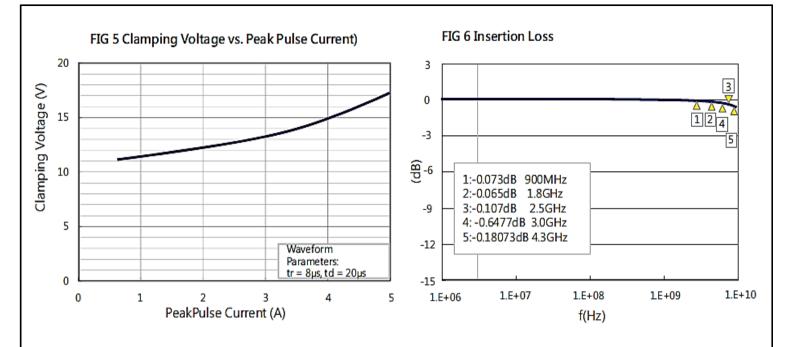


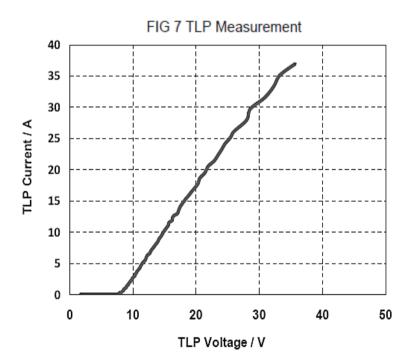


The curve above is for reference only.

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Rev. 1, 14-Nov-2019