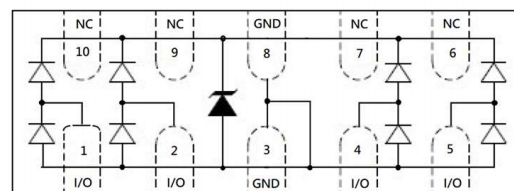


Features

- ★ 4 channels of ESD protection;
- ★ Provides ESD protection to IEC61000-4-2 level 4
 - ±15kV air discharge
 - ±10kV contact discharge;
- ★ Channel I/O to GND capacitance: 0.4pF (Max)
- ★ Channel I/O to I/O capacitance: 0.6pF (Max)
- ★ Low clamping voltage;
- ★ Low operating voltage;
- ★ Improved zener structure;
- ★ Optimized package for easy high speed data lines PCB layout
- ★ RoHS compliant and Halogen Free.

Schematic & PIN Configuration



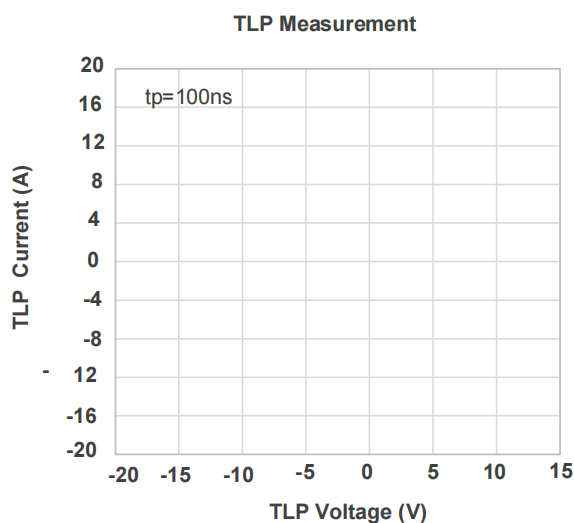
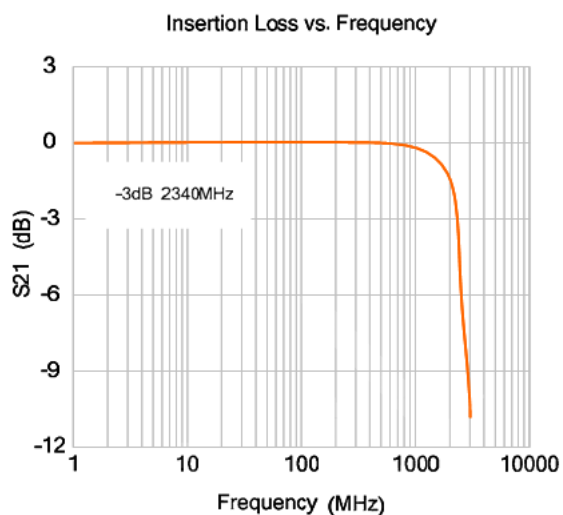
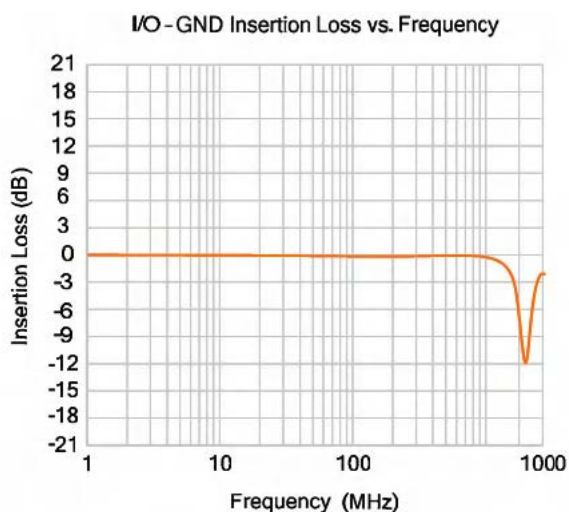
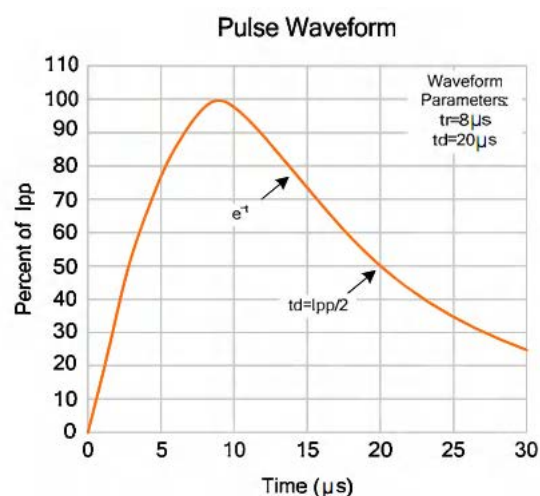
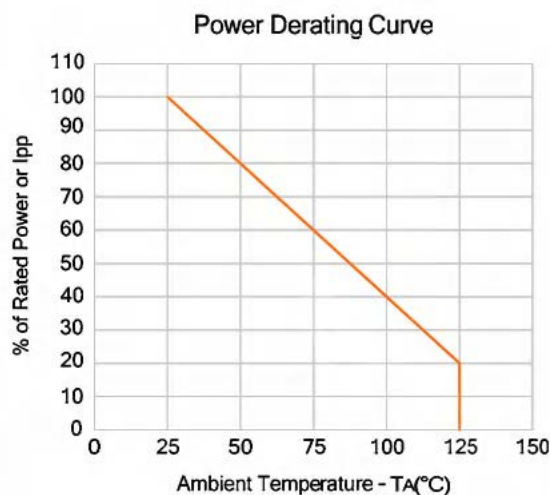
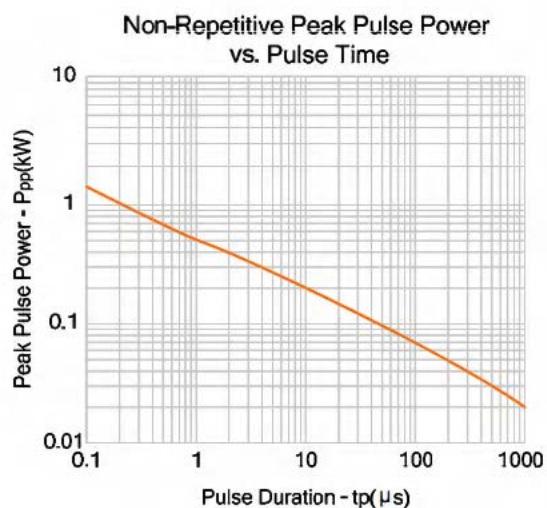
Absolute Maximum Ratings (T_{amb}=25°C unless otherwise specified)

Symbol	Parameter	Value	Units
P _{PP}	Peak Pulse Power (t _p = 8/20μs)	70	W
I _{PP}	Peak Pulse Current(8/20us)	4	A
T _L	Maximum lead temperature for soldering during 10s	260	°C
T _{stg}	Storage Temperature Range	-55 to +150	°C
T _{op}	Operating Temperature Range	-40 to +125	°C
T _j	Maximum junction temperature	150	°C
	IEC61000-4-2 (ESD) air discharge contact discharge	±15 ±10	KV

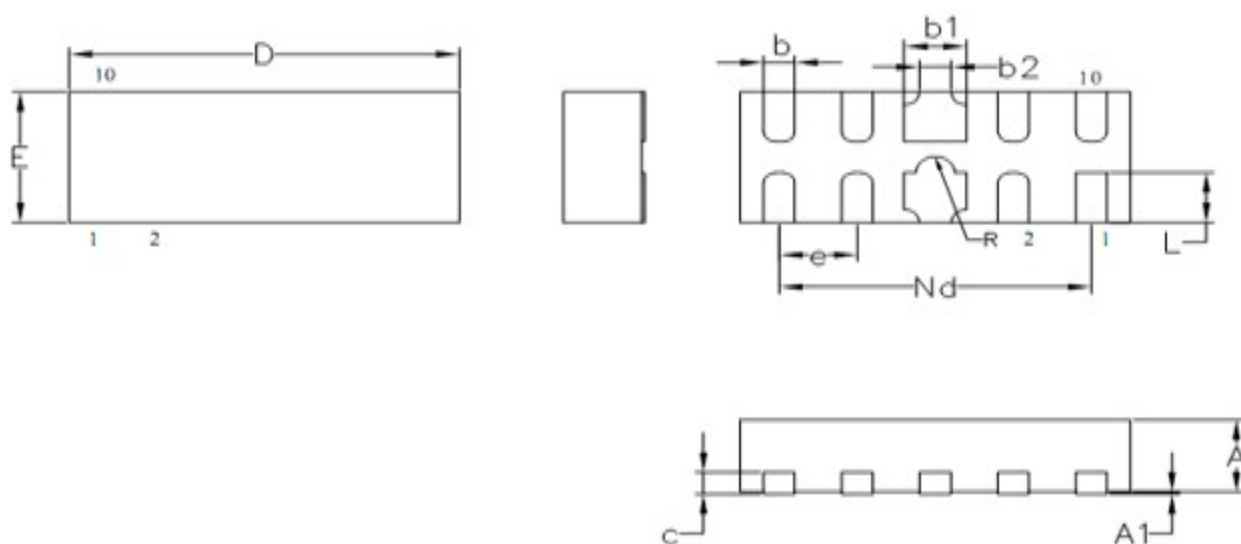
Electrical Characteristics (TA=25°C unless otherwise specified)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Reverse Working Voltage	VRWM	—	—	3.3	V	Any I/O pin to GND
Reverse Breakdown Voltage	VBR	5.6	—	—	V	It = 1mA; Any I/O pin to GND
Reverse Leakage Current	IR	—	—	1	μA	VRWM = 3.3V, T=25°C; Any I/O pin to GND
Positive Clamping Voltage	VC1	—	8	20	V	I _{PP} =4A, t _P =8/20μs; Positive pulse; Any I/O pin to GND
Negative Clamping Voltage	VC2	—	1.8	—	V	I _{PP} =1A, t _P =8/20μs; Negative pulse; Any I/O pin to GND
Junction Capacitance Between Channel	CJ1	—	0.3	0.4	pF	VR=0V, f=1MHz; Between I/O pins
Junction Capacitance Between I/O And GND	CJ2	—	0.6	0.8	pF	VR=0V, f=1MHz; Any I/O pin to GND

Typical Performance Characteristics ($T_A=25^\circ\text{C}$ unless otherwise Specified)



Outline Drawing – DFN2510-10



Symbol	Dimensions (mm)		
	Min.	Nom.	Max.
D	2.45	2.50	2.55
E	0.95	1.00	1.05
b1	0.35	0.40	0.45
b2	0.20REF		
b	0.15	0.20	0.25
L	0.33	0.38	0.43
Nd	2.00BSC		
e	0.50BSC		
R	0.10	0.125	0.15
A	0.45	0.50	0.55
c	0.15REF		
A1	0.00	-	0.05