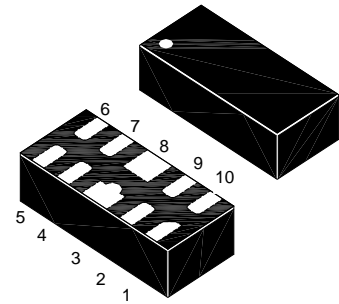
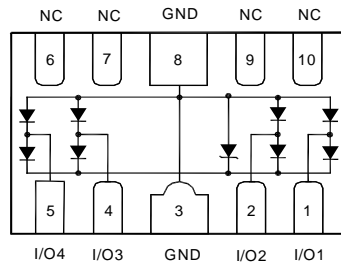


ESDLC0614MP

Ultra Low Capacitance TVS Array

Features

- Low leakage current
- Ultra low capacitance



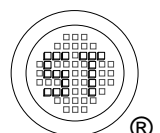
1. I/O1 2. I/O2 3. GND 4. I/O3 5. I/O4
 6. NC 7. NC 8. GND 9. NC 10. NC
 Marking Code: "614"
 DFN2510-10 Plastic package

Absolute Maximum Ratings ($T_a = 25\text{ }^\circ\text{C}$)

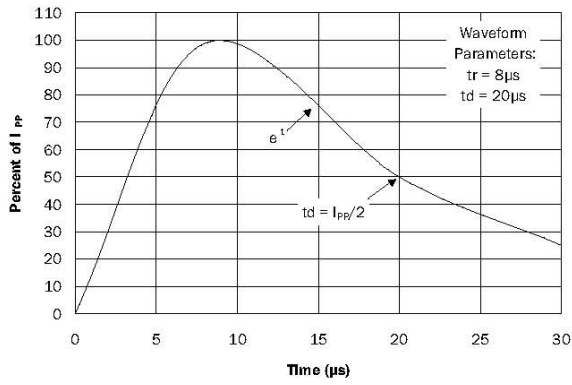
Parameter	Symbol	Value	Unit
ESD per IEC 61000-4-2 (Air) ESD per IEC 61000-4-2 (Contact)	V_{ESD}	20 8	KV
Operating Temperature Range	T_J	- 40 to + 150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 65 to + 150	$^\circ\text{C}$

Characteristics at $T_a = 25\text{ }^\circ\text{C}$

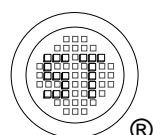
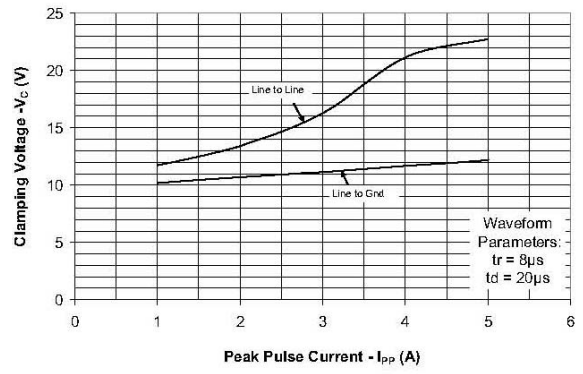
Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at $I_R = 1\text{ mA}$	$V_{(BR)R}$	6	-	V
Reverse Current at $V_{RWM} = 3\text{ V}$	I_R	-	70	nA
Positive Clamping Voltage at $I_{PP} = 1\text{ A}$, $t_p = 8/20\text{ }\mu\text{s}$	V_C	-	15	V
Junction Capacitance at $V_R = 0\text{ V}$, $f = 1\text{ MHz}$, Any I/O Pin to Gnd	C_{j1}	-	0.8	pF
Junction Capacitance at $V_R = 0\text{ V}$, $f = 1\text{ MHz}$, Between I/O Pins	C_{j2}	-	0.4	pF



Pulse Waveform



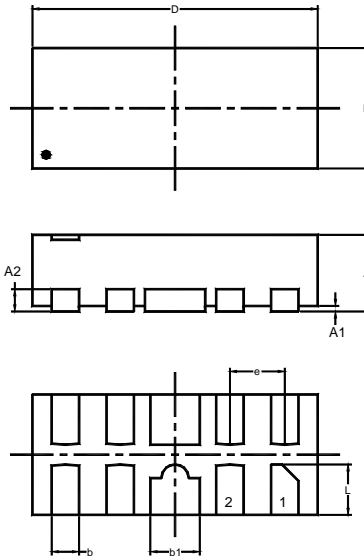
Clamping Voltage vs. Peak Pulse Current



ESDLC0614MP

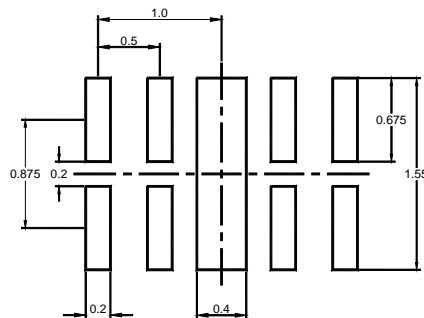
Package Outline Dimensions (Units: mm)

DFN2510-10



UNIT	A	A1	A2	b	b1	D	E	e	L
mm	0.46	0	0.13	0.15	0.35	2.40	0.90	0.50	0.30
	0.51	0.05		0.25	0.45	2.60	1.10		0.425

Recommended Soldering Footprint



Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
DFN2510-10	8	4 ± 0.1	0.157 ± 0.004	178	7	4,000

