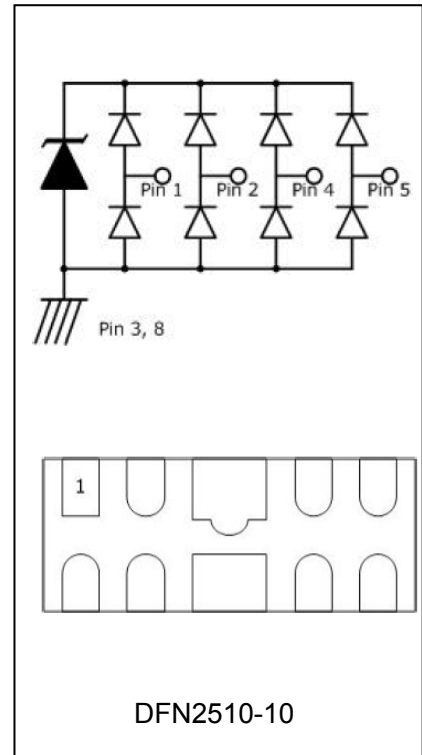
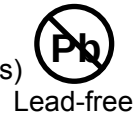


Ultra Low Capacitance TVS Diode Array

BLC0524P

FEATURES

- 150 Watts Peak Pulse Power per Line ($t_p=8/20\mu s$)
- Protects two or four I/O lines
- Low capacitance: 0.3pF typical (I/O to I/O)
- Low operating voltage: 5V
- RoHS Compliant



APPLICATIONS

- High Definition Multi-Media Interface (HDMI)
- Digital Visual Interface (DVI)
- Unified Display Interface (UDI)
- MDDI Ports
- PCI Express
- Serial ATA

ORDERING INFORMATION

Type No.	Marking	Package Code
BLC0524P	P524	DFN2510-10

MAXIMUM RATING @ $T_a=25^\circ C$ unless otherwise specified

Parameter	Symbol	Limits	Unit
Peak Pulse Power ($t_p=8/20\mu s$ waveform)	P_{PP}	150	W
Lead Soldering Temperature	T_L	260 (10 sec.)	$^\circ C$
Operating Temperature Range	T_J	-55~150	$^\circ C$
Storage Temperature Range	T_{STG}	-55~150	$^\circ C$



Ultra Low Capacitance TVS Diode Array

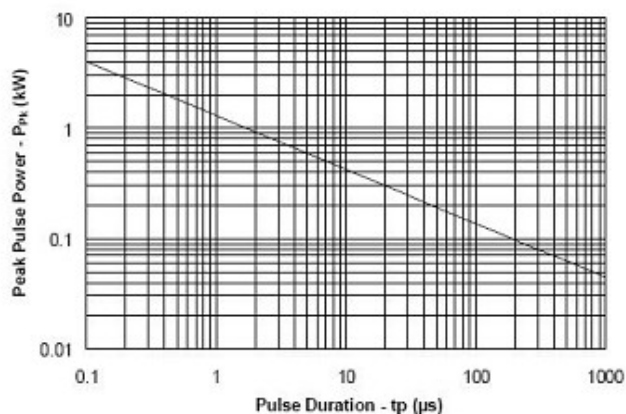
BLC0524P

ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

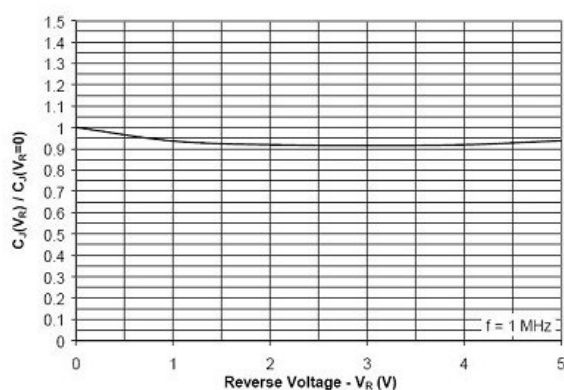
PART NUMBER	V_{RWM} (V)	V_B (V)	I_T (mA)	V_C @1A (max.)	V_C		I_R (μ A)	C_T (pF)
	(max.)	(min.)	(mA)	(max.)	(max.)	(@A)	(max.)	(max.)
BLC0524P	5	6.0	1	15	25	5	1	0.8

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

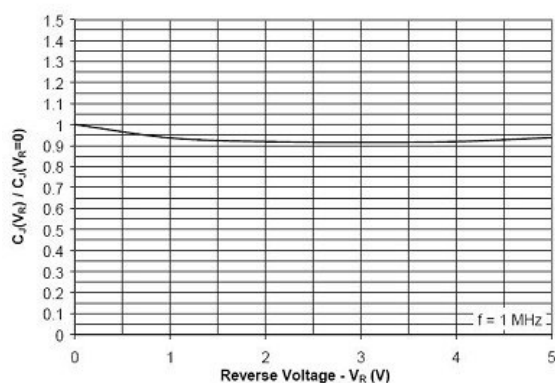
Non-Repetitive Peak Pulse Power vs. Pulse Time



Normalized Capacitance vs. Reverse Voltage



Normalized Capacitance vs. Reverse Voltage



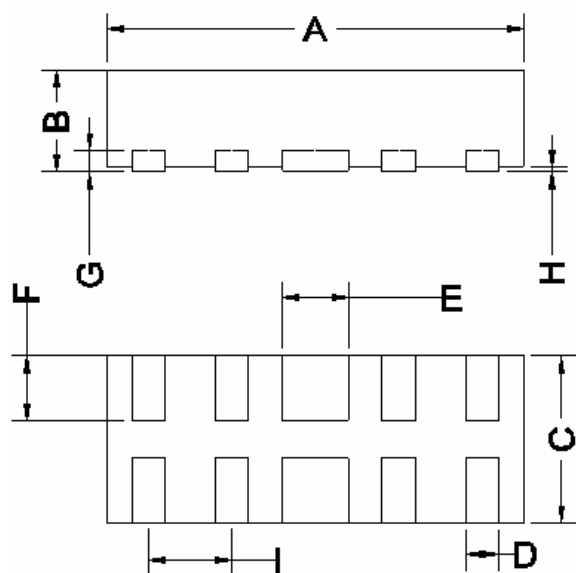
Ultra Low Capacitance TVS Diode Array

BLC0524P

PACKAGE OUTLINE

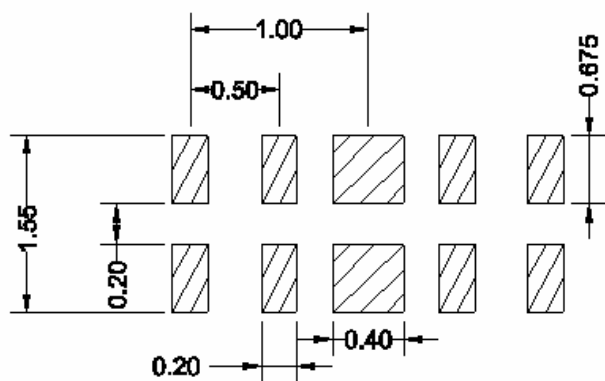
Plastic surface mounted package

DFN2510-10



DFN2510-10		
Dim	Min	Max
A	2.40	2.60
B	0.50	0.65
C	0.90	1.10
D	0.15	0.25
E	0.35	0.45
F	0.30	0.425
G	0.13 Typ	
H	0.00	0.05
I	0.50 Typ	
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit : mm