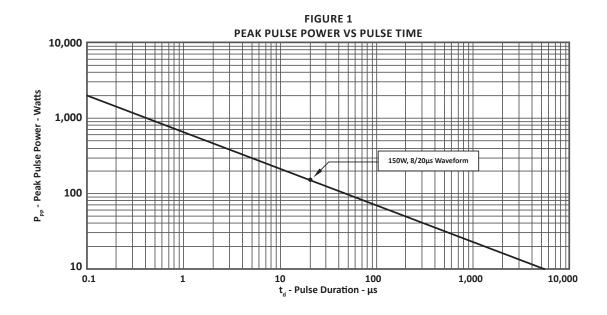


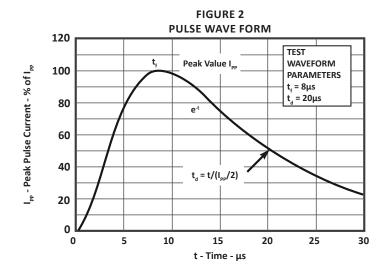
TYPICAL DEVICE CHARACTERISTICS

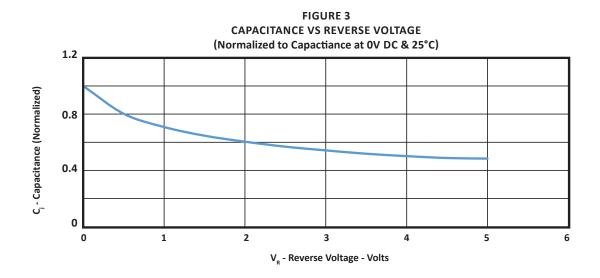
MAXIMUM RATINGS @ 25°C Unless Otherwise Specified							
PARAMETER	SYMBOL	VALUE	UNITS				
Operating Temperature	T _A	-55 to 150	°C				
Storage Temperature	T _{stg}	-55 to 150	°C				
Peak Pulse Power (tp = 8/20μs) - See Figure 1	P _{pp}	150	Watts				
Peak Pulse Current (tp = 8/20μs)	I _{PP}	10	А				
Soldering Temperature for 10 seconds	T _L	265	°C				
Typical Forward Voltage @ 10mA	V _F	0.8	V				

ELECTRICAL CHARACTERISTICS PER LINE @ 25°C Unless Otherwise Specified								
PART NUMBER	DEVICE MARKING	MAXIMUM LEAKAGE CURRENT	TYPICAL CAPACITANCE					
		V _{wm} VOLTS	@ 1mA V _(BR) VOLTS	@I _P = 1A V _C VOLTS	@V _{wм} Ι _D μΑ	@0V, 1MHz C pF		
PLW0501D	4	5.0	6.0	9.8	1.0	70		



TYPICAL DEVICE CHARACTERISTICS



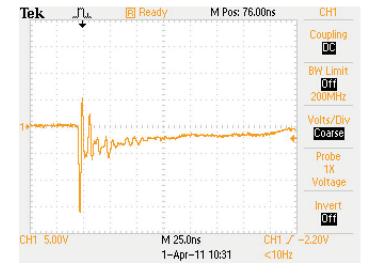


TYPICAL DEVICE CHARACTERISTICS

FIGURE 4
8kV POSITIVE ESD CLAMPING WAVEFORM



FIGURE 5
8kV NEGATIVE ESD CLAMPING WAVEFORM





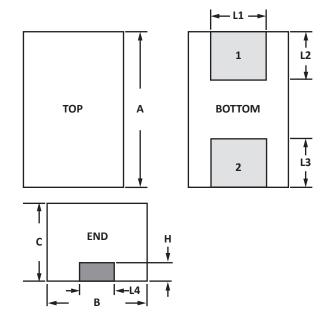
PROJEK DEVICES Only One Name Means Projek Tion*

DFN-2-0402 PACKAGE INFORMATION

OUTLINE DIMENSIONS							
DIM	MILLIN	IETERS	INCHES				
	MIN	MAX	MIN	MAX			
А	0.99	1.04	0.039	0.041			
В	0.58	0.64	0.023	0.025			
С	0.43	0.48	0.017	0.019			
Н	0.13	0.18	0.005	0.007			
L1	0.28	0.33	0.011	0.013			
L2	0.23	0.28	0.009	0.011			
L3	0.23	0.28	0.009	0.011			
L4	0.18	0.23	0.007	0.009			

NOTES

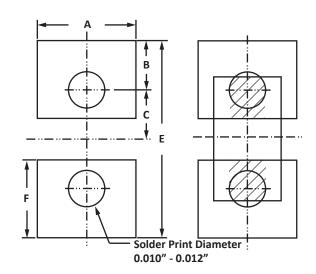
- 1. Dimensioning and tolerances per ANSI Y14.M, 1985.
- 2. Controlling dimension: inches.



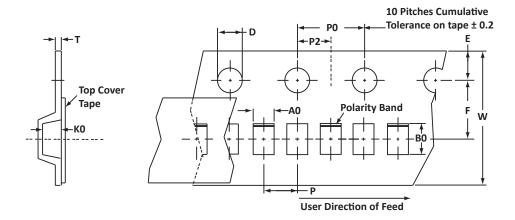
PAD LAYOUT DIMENSIONS								
DIM	MILLIN	IETERS	INCHES					
	MIN	MAX	MIN	MAX				
А	0.737	0.787	0.029	0.031				
В	0.331	0.381	0.013	0.015				
С	0.356	0.406	0.014	0.016				
Е	1.423	1.523	0.056	0.060				
F	0.534	0.584	0.021	0.023				

NOTES

- 1. Controlling dimension: inches.
- 2. Decimal tolerances for mounting pad: ±0.003" (±0.08 mm).



TAPE AND REEL



SPECIFICATIONS												
REEL DIA.	TAPE WIDTH	A0	В0	ко	D	E	F	w	P0	P2	Р	tmax
178mm (7")	8mm	0.70 ± 0.05	1.15 ± 0.05	0.60 ± 0.003	1.55 ± 0.10	1.75 ± 0.10	3.50 ± 0.05	8.00 ± 0.30	4.00 ± 0.10	2.00 ± 0.05	2.00 ± 0.05	0.25

NOTES

- 1. Dimensions are in millimeters.
- 2. Surface mount product is taped and reeled in accordance with EIA-481.
- 3. Empty pocket underneath sprocket holes.
- 4. Suffix T73 = 7" Reel 3,000 pieces per 8mm tape (sprocket hole skipped).
- 5. Marking on Part marking code (see page 2) and polarity band.

Package outline, pad layout and tape specifications per document number 06094.R1 3/11 - Option 1.

ORDERING INFORMATION							
BASE PART NUMBER LEADFREE SUFFIX TAPE SUFFIX QTY/REEL REEL SIZE TUBE QTY							
PLW0501D	-LF	-T73	3,000	7"	n/a		
This device is only available in a Lead-Free configuration.							

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COMPANY INFORMATION

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In business more than 25 years, ProTek Devices™ is a privately held semiconductor company. The company offers a product line of overvoltage protection and overcurrent protection components. These include transient voltage suppressor array (TVS arrays) avalanche breakdown diode, steering diode TVS array and electronics SMD chip fuses. These components deliver circuit protection in electronic systems from numerous overvoltage and overcurrent events. They include lightning; electrostatic discharge (ESD); nuclear electromagnetic pulses (NEMP); inductive switching; and electromagnetic interference (EMI) / radio frequency interference (RFI). ProTek Devices also offers LED wafer die for ESD protection and related high frequency products. ProTek Devices is ISO 9001:2015 certified.

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