

TYPICAL DEVICE CHARACTERISTICS

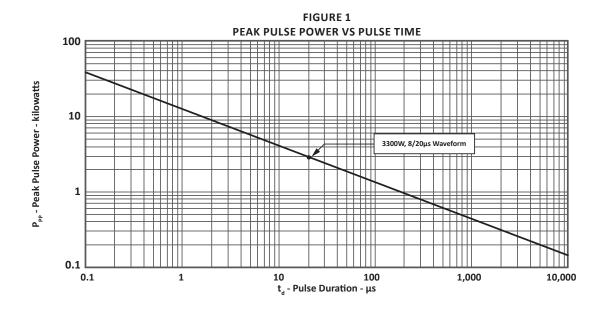
MAXIMUM RATINGS @ 25°C Unless Otherwise Specified							
PARAMETER	SYMBOL	VALUE	UNITS				
Operating Temperature	T _L	-55 to 150	°C				
Storage Temperature	T _{stg}	-55 to 150	°C				
Peak Pulse Power (tp = 8/20μs) - See Figure 1	P _{pp}	3300	Watts				

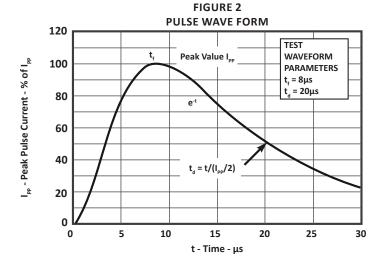
ELECTRICAL CHARACTERISTICS PER LINE @ 25°C Unless Otherwise Specified								
PART NUMBER	DEVICE MARKING	RATED STAND-OFF VOLTAGE	MINIMUM SNAPBACK VOLTAGE	MAXIMUM CLAMPING VOLTAGE (Fig. 2) (Note 1-2)	MAXIMUM LEAKAGE CURRENT	MAXIMUM CAPACITANCE (Note 3)	MAXIMUM CAPACITANCE (Note 4)	
		V _{wM} VOLTS	@50mA V _(BR) VOLTS	@ 8/20μs V _c @ Ι _{թթ}	@V _{wм} Ι _D μΑ	@0V, 1MHz C pF	@0V, 1MHz C pF	
PLC03-3.3	PBC	3.0	2.8	22.0V @ 150.0A	2.0	25	12	

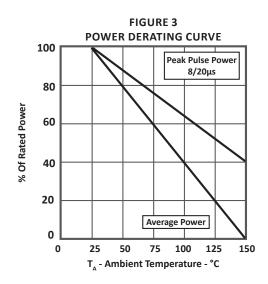
NOTES

- 1. For an $8/20\mu s$ waveform, apply positive pulse to pin 1 or 8 to pin 2 or 3 (ground).
- 2. Measured between pin 1 or 8 to pin 2 or 3.
- 3. Measured between I/O pins and ground (pin 1 to 2).
- 4. Measured between I/O pins (pin 1 to 4).

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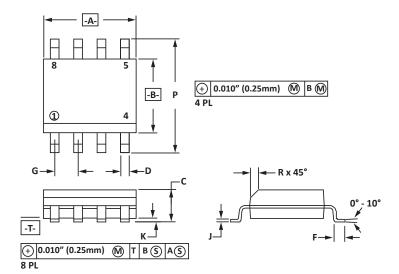


SO-8 PACKAGE INFORMATION

OUTLINE DIMENSIONS								
DIM	MILLIN	IETERS	INCHES					
DIM	MIN	MAX	MIN	MAX				
Α	4.80	5.00	0.189	0.196				
В	3.80	4.00	0.150	0.157				
С	1.35	1.75	0.054	0.068				
D	0.35	0.49	0.014	0.019				
F	0.40	1.25	0.016	0.049				
G	1.27	BSC	0.05	BSC				
J	0.18	0.25	0.007	0.009				
К	0.10	0.25	0.004	0.008				
Р	5.80	6.20	0.229	0.244				
R	0.25	0.50	0.010	0.019				

NOTES

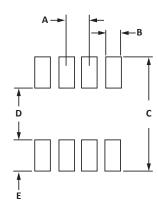
- 1. -T- = Seating plane and datum surface.
- 2. Dimensions "A" and "B" are datum.
- 3. Dimensions "A" and "B" do not include mold protrusion.
- 4. Maximum mold protrusion is 0.015" (0.380mm) per side.
- 5. Dimensioning and tolerances per ANSI Y14.5M, 1982.
- 6. Dimensions are exclusive of mold flash and metal burrs.



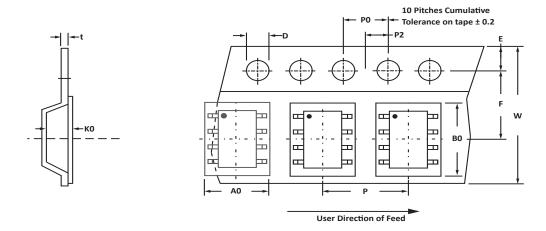
PAD LAYOUT DIMENSIONS							
DIM	MILLIN	IETERS	INCHES				
	MIN	MAX	MIN	MAX			
А	1.14	1.40	0.045	0.055			
В	0.64	0.89	0.025	0.035			
С	6.22	-	0.245	-			
D	3.94	4.17	0.155	0.165			
Е	1.02	1.27	0.040	0.050			

NOTES

1. Controlling dimension: inches.



TAPE AND REEL



SPECIFICATIONS												
REEL DIA.	TAPE WIDTH	A0	В0	ко	D	E	F	w	P0	P2	Р	tmax
178mm (7")	12mm	6.50 ± 0.10	5.40 ± 0.10	2.00 ± 0.10	1.50 ± 0.10	1.75 ± 0.10	5.50 ± 0.05	12.00 ± 0.30	4.00 ± 0.12	2.00 ± 0.10	8.00 ± 0.10	0.25

NOTES

- 1. Dimensions are in millimeters.
- 2. Surface mount product is taped and reeled in accordance with EIA-481.
- 3. Suffix T7 = 7" Reel 1,000 pieces per 12mm tape.
- 4. Suffix T13 = 13" Reel 2,500 pieces per 12mm tape.
- 5. Bulk product shipped in tubes of 98 pieces per tube.
- 6. Marking on Part marking code (see page 2), date code, logo and pin one defined by dot on top of package.

ORDERING INFORMATION								
BASE PART NUMBER LEADFREE SUFFIX TAPE SUFFIX QTY/REEL REEL SIZE TUBE								
PLC03-3.3	-LF	-T7	1,000	7"	98			
PLC03-3.3 -LF -T13 2,500 13" 98								
This device is only available in a Lead-Free configuration.								



COMPANY INFORMATION

COMPANY PROFILE

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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