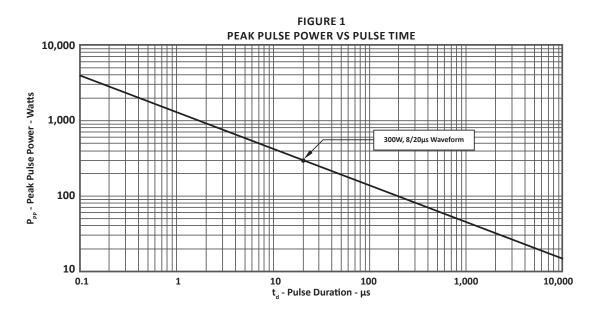
TYPICAL DEVICE CHARACTERISTICS

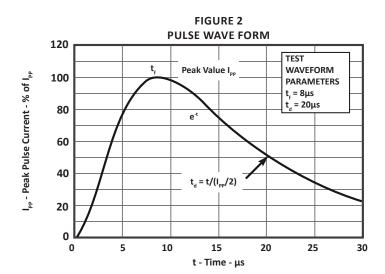
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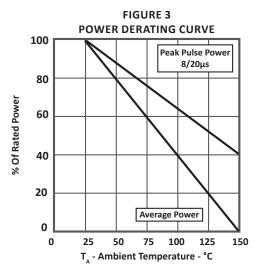
MAXIMUM RATINGS @ 25°C Unless Otherwise Specified							
PARAMETER	SYMBOL	VALUE	UNITS				
Peak Pulse Power (tp = 8/20μs) - See Figure 1	P _{pp}	300	Watts				
Operating Temperature	T _L	-55 to 150	°C				
Storage Temperature	T _{stg}	-55 to 150	°C				
Forward Voltage @ 100mA, 300μs (Square Wave) - See Note 1	V _F	1.5	Volts				
NOTE 1. Applies to unidirectional pins only (3 to 1, 3 to 2).							

ELECTRICAL CHARACTERISTICS PER LINE @ 25°C Unless Otherwise Specified								
PART NUMBER	DEVICE MARKING	RATED STAND-OFF VOLTAGE	MINIMUM BREAKDOWN VOLTAGE	MAXIMUM CLAMPING VOLTAGE (Fig. 2)	MAXIMUM CLAMPING VOLTAGE (Fig. 2)	MAXIMUM LEAKAGE CURRENT	TYPICAL CAPACITANCE	
		V _{wm} VOLTS	@ 1mA V _(BR) VOLTS	@ I _p = 1A V _c VOLTS	@ 8/20μs V _c @ Ι _{pp}	@V _{wM} Ι _D μΑ	@0V, 1MHz C pF	
PSOT05LCC	5CC	5.0	6.0	9.8	15.0V @ 20.0A	10	120	

TYPICAL DEVICE CHARACTERISTICS



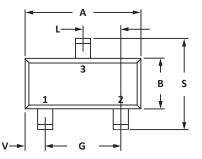


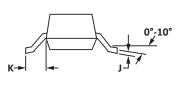


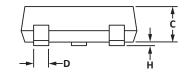
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SOT-23 PACKAGE INFORMATION

OUTLINE DIMENSIONS								
DIM	MILLIN	IETERS	INCHES					
DIIVI	MIN	MAX	MIN	MAX				
А	2.80	3.04	0.110	0.120				
В	1.20	1.40	0.047	0.055				
С	0.89	1.11	0.035	0.044				
D	0.37	0.50	0.015	0.020				
G	1.78	2.04	0.070	0.081				
н	0.013	0.100	0.001	0.004				
J	0.085	0.177	0.003	0.007				
К	0.45	0.60	0.018	0.024				
L	0.89	1.02	0.035	0.040				
S	2.10	2.50	0.083	0.098				
V	0.45	0.60	0.018	0.024				







NOTES

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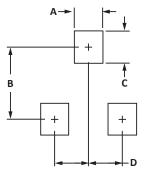
1. Controlling dimension: inches.

2. Dimensioning and tolerances per ANSI Y14.5M, 1985.

3. Pin 3 is the cathode (Unidirectional Only)

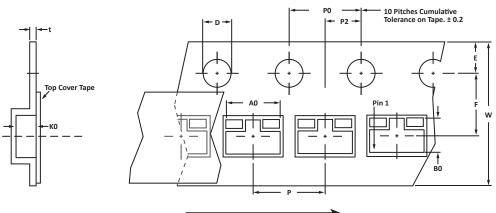
4. Dimensions are exclusive of mold flash and metal burrs.

PAD LAYOUT DIMENSIONS									
DIM	MILLIN	IETERS	INCHES						
DIM	MIN	MAX	MIN	MAX					
А	0.71	0.97	0.028	0.038					
В	1.88	2.13	0.074	0.084					
С	0.71	0.97	0.028	0.038					
D	0.81 1.07 0.032 0.042								
NOTES 1. Controlling dimension: inches.									





TAPE AND REEL



User Direction of Feed

SPECIFICATIONS												
REEL DIA.	TAPE WIDTH	A0	В0	ко	D	E	F	W	PO	P2	Р	tmax
178mm (7")	8mm	3.15 ± 0.10	2.77 ± 0.10	1.30 ± 0.10	1.55 ± 0.10	1.75 ± 0.10	3.50 ± 0.05	8.00 ± 0.30	4.00 ± 0.10	2.00 ± 0.05	4.00 ± 0.10	0.228
NOTES 1. Dimensions are in millimeters.												

Surface mount product is taped and reeled in accordance with EIA-481.

3. Suffix - T7 = 7" Reel - 3,000 pieces per 8mm tape.

4. Suffix - T13 = 13" Reel - 10,000 pieces per 8mm tape.

5. Marking on Part - marking code (see page 2) and date code.

Package outline, pad layout and tape specifications per document number 06012.R2 8/10.

ORDERING INFORMATION								
BASE PART NUMBER LEADFREE SUFFIX TAPE SUFFIX QTY/REEL REEL SIZE TUE								
PSOT05LCC	-LF	-T7	3,000	7"	n/a			
PSOT05LCC	-LF	-T13	10,000	13"	n/a			
			1					

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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