

TYPICAL DEVICE CHARACTERISTICS

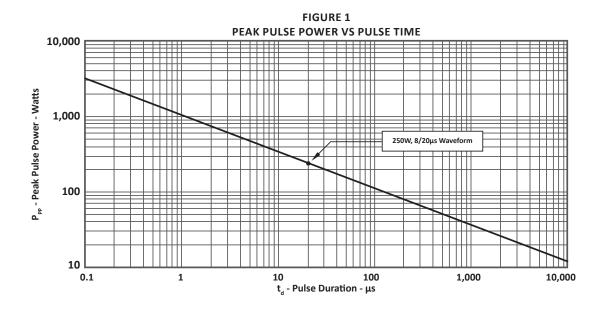
MAXIMUM RATINGS @ 25°C Unless Otherwise Specified							
PARAMETER	SYMBOL	VALUE	UNITS				
Peak Pulse Power (tp = 8/20μs) - See Figure 1	P _{PP}	250	Watts				
Operating Temperature	T _A	-55 to 150	°C				
Storage Temperature	T _{stg}	-55 to 150	°C				

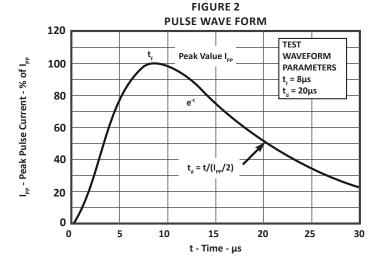
	ELECTRICAL CHARACTERISTICS PER LINE @ 25°C Unless Otherwise Specified									
PART NUMBER (Note 1)	DEVICE MARKING	RATED STAND-OFF VOLTAGE V WM VOLTS	MINIMUM BREAKDOWN VOLTAGE @ 1mA V(BR) VOLTS	MAXIMUM CLAMPING VOLTAGE (Fig. 2) @ I _p = 1A V _c VOLTS	MAXIMUM CLAMPING VOLTAGE (Fig. 2) @ 8/20µS V _c @ I _{pp}	MAXIMUM LEAKAGE CURRENT (Note 2) @V _{WM} Ι _D μΑ	TYPICAL CAPACITANCE @0V, 1MHz C pF			
PKFC3.3C	03	3.3	4.0	7.0	12.5V @ 20A	75*	150			
PKFC05C	05	5.0	6.0	11.0	14.7V @ 17A	10**	100			
PKFC08C	08	8.0	8.5	13.2	19.2V @ 13A	10***	75			
PKFC12C	12	12.0	13.3	19.8	29.7V @ 9A	1	50			
PKFC15C	15	15.0	16.7	25.4	35.7V @ 7A	1	40			
PKFC24C	24	24.0	26.7	37.2	55.0V @ 5A	1	30			
PKFC36C	36	36.0	40.0	70.0	84.0V @ 3A	1	25			

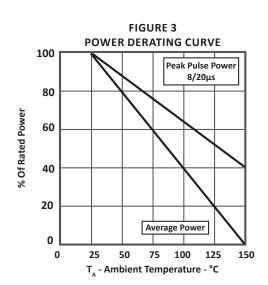
NOTES

All devices are bidirectional. Electrical characteristics apply in both directions.
 *Maximum leakage current < 5μA @ 2.8V. **Maximum leakage current < 500nA @ 3.3V. ***Maximum leakage current < 200nA @ 5V.

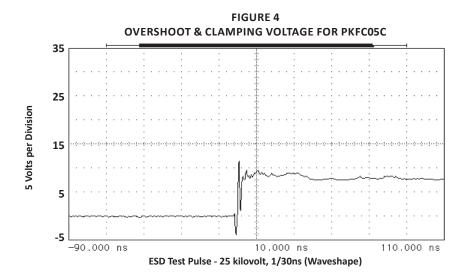
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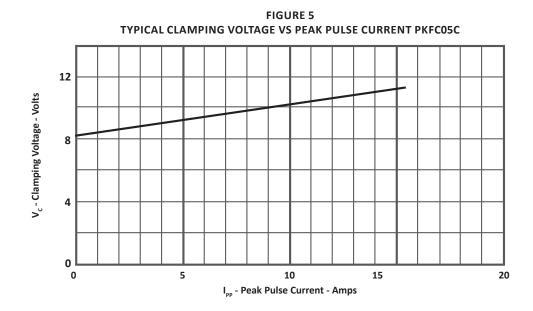






TYPICAL DEVICE CHARACTERISTICS





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DFN-2 PACKAGE INFORMATION

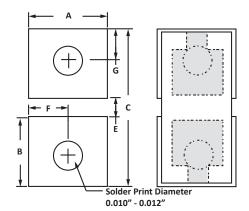
OUTLINE DIMENSIONS								
5.11.4	MILLIN	IETERS	INCHES					
DIM	MIN	MAX	MIN	MAX				
Α	0.73	0.79	0.029	0.031				
В	1.22	1.32	0.048	0.052				
С	0.73	0.79	0.029	0.031				
D	0.54	0.60	0.021	0.024				
F	0.55	0.61	0.022	0.024				
G	0.27	0.33	0.11	0.013				
Н	0.38	0.44	0.015	0.017				
J	0.35	0.041	0.014	0.016				
K	0.35	0.041	0.014	0.016				

- 1. Controlling dimensions in inches.
- 2. Maximum size 0.052" (1.321mm) by 0.036" (0.914mm) 3. All dimensions ±0.003".

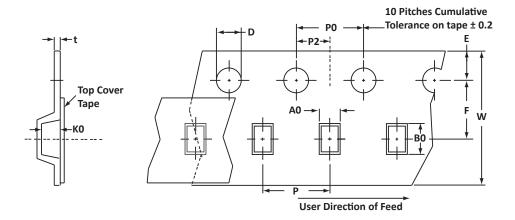
← A -	-	← н	→	← C →
	1		1	
		† K	D	
		Ĵ L		
ТОР	В	вотт	ом	SIDE
		<u>†</u>	1	
		<u> </u>	F	
			↓	

LAYOUT DIMENSIONS								
DIM	MILLIN	METERS	INCHES					
	MIN	MAX	MIN	MAX				
Α	1.00	1.04	0.039	0.041				
В	0.62	0.66	0.024	0.026				
С	1.44	1.50	0.056	0.060				
Е	0.18	0.22	0.007	0.009				
F	0.49	0.63	0.019	0.021				
G	0.31	0.035	0.012	0.014				

- ${\bf 1.} \ \ {\bf Controlling\ dimensions\ in\ inches}.$
- 2. All dimensions ±0.003".



TAPE AND REEL INFORMATION



SPECIFICATIONS												
REEL DIA.	TAPE WIDTH	Α0	В0	ко	D	E	F	w	P0	P2	Р	Tmax
178mm(7")	8mm	0.89 ± 0.05	1.47 ± 0.10	0.81 ± 0.05	1.50 ± 0.10	1.75 ± 0.10	3.50 ± 0.05	8.00 ± 0.20	4.00 ± 0.10	2.00 ± 0.05	4.00 ± 0.10	0.25

NOTES

- 1. Dimensions in millimeters.
- 2. Top view of tape. Solder pads are face down in tape package.
- 3. Orientation: preferred stencil 0.1mm (0.004").
- 4. Surface mount product is taped and reeled in accordance with EIA 481. 5. 8mm plastic tape: 7'' Reels 5,000.
- 6. Marking on Reel part number, date code and lot number.

ORDERING INFORMATION								
BASE PART NUMBER (xx = Voltage)	I LEADEREE SLIEFIX I TADE SLIEFIX I OTV/REEL I REEL SIZE I TURE OTV							
PKFCxxC	-LF	-T75-1	5,000	7"	n/a			
This device is only available in a Lead-Free configuration.								

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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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PATENT INFORMATION: Patent Pending

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