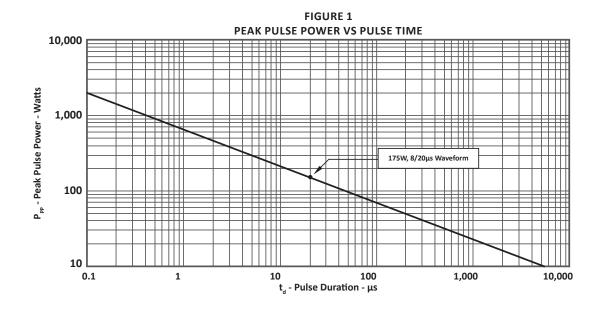
TYPICAL DEVICE CHARACTERISTICS

MAXIMUM RATINGS @ 25°C Unless Otherwise Specified							
PARAMETER SYMBOL VALUE							
Peak Pulse Power (tp = 8/20μs) - See Figure 1	P _{pp}	175	Watts				
Operating Temperature	T _L	-55 to 150	°C				
Storage Temperature	T _{stg}	-55 to 150	°C				
Typical Series Resistance per Line	R	40	Ohms				

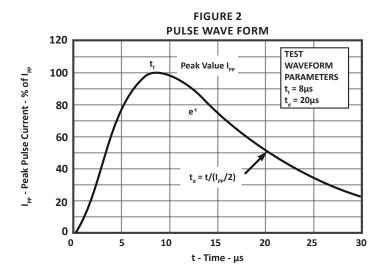
ELECTRICAL CHARACTERISTICS PER LINE @ 25°C Unless Otherwise Specified									
PART NUMBER	DEVICE MARKING	RATED STAND-OFF VOLTAGE V _{WM} VOLTS	MINIMUM BREAKDOWN VOLTAGE @ 1mA V _(BR) VOLTS	MAXIMUM REVERSE LEAKAGE CURRENT @V _{WM} I _D	MAXIMUM REVERSE LEAKAGE CURRENT @3.3V	REVERSE CAPACITOR LEAKAGE (Per Junction) CURRENT	MAXIMUM CAPACITANCE (Note 1) @0V, 1MHz C _{тот} pF		
		VOLIS	VOLIS	μΑ	μΑ	pF	ρı		
STF701	05F	5.0	6.0	5.0	1.0	40	160		

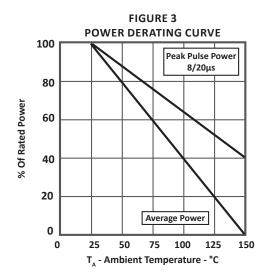
NOTES

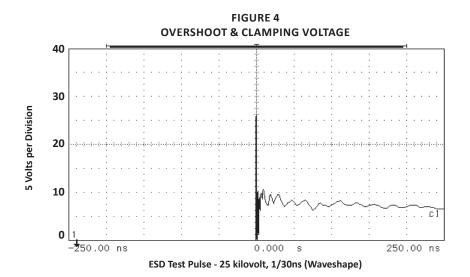
^{1.} Capacitance measured between input or output and ground.



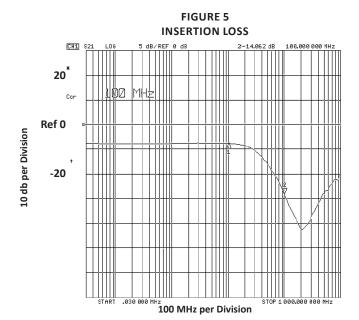
TYPICAL DEVICE CHARACTERISTICS

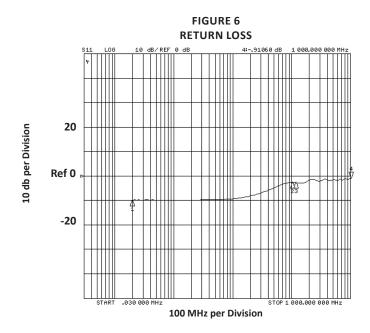






TYPICAL DEVICE CHARACTERISTICS







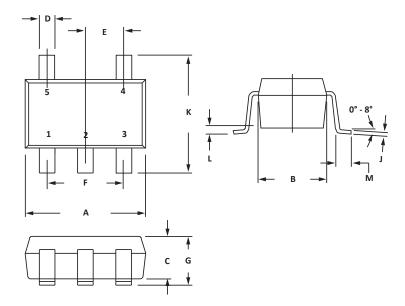


SC70-5L PACKAGE INFORMATION

OUTLINE DIMENSIONS									
DIM	MILLIN	IETERS	INCHES						
	MIN	MAX	MIN	MAX					
Α	1.90	2.15	0.074	0.084					
В	1.15	1.35	0.045	0.055					
С	0.80 1.00	0.031	0.040						
D	0.15	0.15 0.30		0.012					
Е	0.65	BSC	0.026 BSC						
F	1.30	BSC	0.051 BSC						
G	0.80	1.10	0.031	0.043					
J	0.08 0.25	0.003	0.010						
К	2.00	2.40	0.078	0.095					
L	-	0.10	-	0.004					
М	0.26	0.46	0.010	0.018					



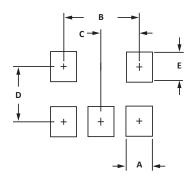
- 1. Controlling dimension: inches.
- 2. Dimensioning and tolerances per ANSI Y14.5M, 1985.
- 3. Dimensions are exclusive of mold flash and metal burrs.



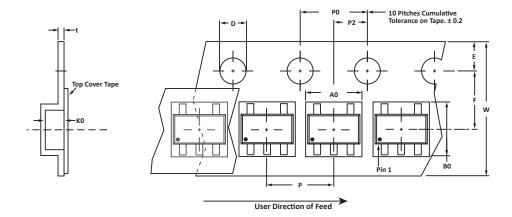
PAD LAYOUT DIMENSIONS							
DIM	MILLIMETERS	INCHES					
	NOMINAL	NOMINAL					
Α	0.50	0.020					
В	1.30	0.051					
С	0.65	0.026					
D	1.72	0.068					
E	0.60	0.024					

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")	8mm	2.25 ± 0.10	2.34 ± 0.10	1.22 ± 0.10	1.50 ± 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	0.25

NOTES

- 1. Dimensions are in millimeters.
- 2. Surface mount product is taped and reeled in accordance with EIA-481.
- 3. Suffix T7 = 7" Reel 3,000 pieces per 8mm tape.
- 4. Marking on Part marking code (see page 2) and pin one defined by dot on package.

Package outline, pad layout and tape specifications per document number 06005.R4 3/11.

ORDERING INFORMATION								
BASE PART NUMBER	LEADFREE SUFFIX	TAPE SUFFIX	QTY/REEL	REEL SIZE	TUBE QTY			
STF701 -LF		-T7	3,000	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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