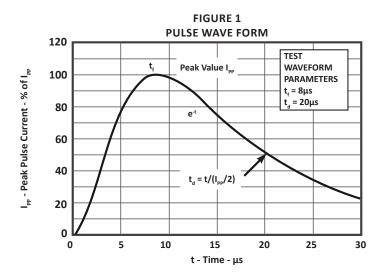
# **TYPICAL DEVICE CHARACTERISTICS**

MAXIMUM RATINGS @ 25°C Unless Otherwise Specified							
PARAMETER	SYMBOL	VALUE	UNITS				
Operating Temperature	T <sub>A</sub>	-55 to 150	°C				
Storage Temperature	T <sub>stg</sub>	-55 to 150	°C				
Continuous Power Dissipation	P <sub>PC</sub>	125	mW				

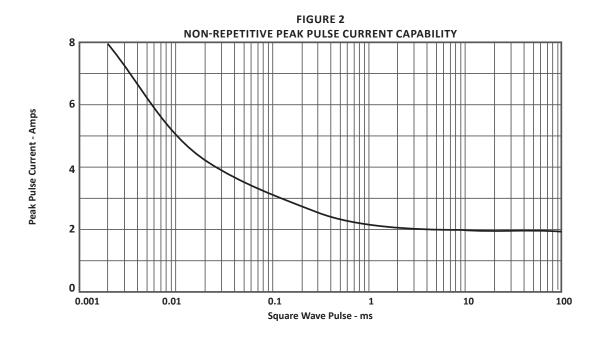
	ELECTRICAL CHARACTERISTICS PER LINE @ 25°C Unless Otherwise Specified								
PART NUMBER	DEVICE MARKING	REPETITIVE PEAK REVERSE VOLTAGE (Note 1)	TYPICAL FORWARD VOLTAGE 8/20µs @ 1A	MAXIMUM PEAK PULSE FORWARD CURRENT @ 8/20µs	MAXIMUM REVERSE LEAKAGE CURRENT (Note 2) V <sub>RRM</sub>	MAXIMUM QUIESCENT SUPPLY CURRENT (Note 3) @ 20V	TYPICAL CAPACITANCE  @0V, 1MHz		
		V <sub>RRM</sub> VOLTS	V <sub>F</sub> VOLTS	I <sub>FM</sub> AMPS	I <sub>R</sub>	I <sub>RQ</sub> nA	C <sub>j</sub> pF		
ET724	724	20	2	12	10	100	3		

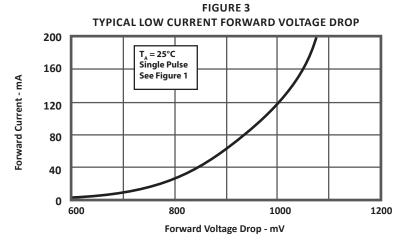
#### NOTE

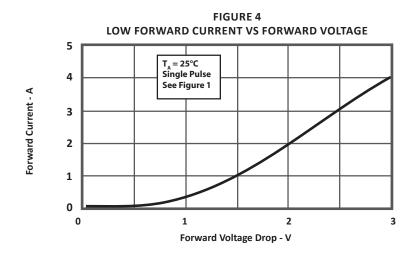
- 1.  $V_{RRM}$  is  $+V_{CC}$  for pin 5,  $-V_{EE}$  for pin 2. Pin 2 also represents ground for unidirectional applications.
- 2. +20V from pin 5 to 1, 5 to 4, 5 to 3 and 5 to 6. -20V from pin 2 to 1, 2 to 3, 2 to 4 and 2 to 6.
- 3. +20V from pin 5 to 2.



# TYPICAL DEVICE CHARACTERISTICS









# **SOT-23-6 PACKAGE INFORMATION**

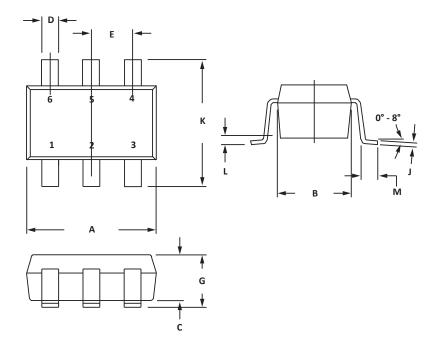
OUTLINE DIMENSIONS								
DIM	MILLIN	IETERS	INCHES					
	MIN	MAX	MIN	MAX				
Α	2.80	3.05	0.110	0.120				
В	1.50	1.75	0.059	0.070				
С	0.90	1.30	0.036	0.051				
D	0.30	0.40	0.012	0.016				
Е	0.85	1.05	0.033	0.040				
G	0.90	1.45	0.036	0.057				
J	0.09	0.20	0.003	0.008				
K	2.60	3.00	0.102	0.118				
L	0.0	0.15	0.0	0.006				
М	0.30	0.60	0.012	0.024				

## NOTES

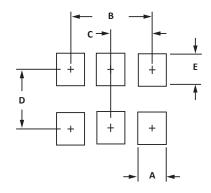
1. Controlling dimension: inches.

1. Controlling dimension: inches.

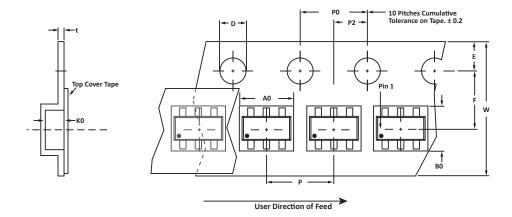
- 2. Dimensioning and tolerances per ANSI Y14.5M, 1985.
- 3. Dimensions are exclusive of mold flash and metal burrs.



PAD LAYOUT DIMENSIONS							
DIM	MILLIMETERS	INCHES					
	NOMINAL	NOMINAL					
Α	0.70	0.028					
В	1.90	0.074					
С	0.95	0.037					
D	2.40	0.094					
Е	1.00	0.039					
NOTES							



# **TAPE AND REEL**



SPECIFICATIONS												
REEL DIA.	TAPE WIDTH	A0	В0	КО	D	E	F	W	P0	P2	Р	tmax
178mm (7")	8mm	3.20 ± 0.10	3.20 ± 0.10	1.65 ± 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 06013.R5 2/11

ORDERING INFORMATION								
BASE PART NUMBER	LEADFREE SUFFIX	TAPE SUFFIX	QTY/REEL	REEL SIZE	TUBE QTY			
ET724	-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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