

# TYPICAL DEVICE CHARACTERISTICS

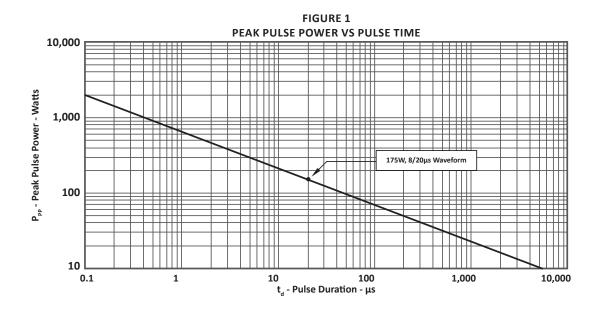
MAXIMUM RATINGS @ 25°C Unless Otherwise Specified							
PARAMETER	SYMBOL	VALUE	UNITS				
Peak Pulse Power (tp = 8/20μs) - See Figure 1	P <sub>pp</sub>	175	Watts				
Operating Temperature	T <sub>L</sub>	-55 to 150	°C				
Storage Temperature	T <sub>STG</sub>	-55 to 150	°C				
Peak Pulse Current (tp = 8/20μs)	I <sub>pp</sub>	5	Amps				

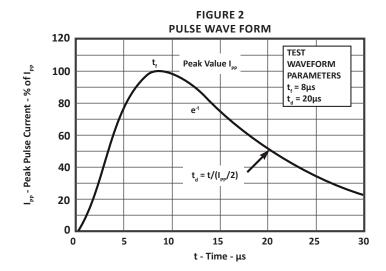
ELECTRICAL CHARACTERISTICS PER LINE @ 25°C Unless Otherwise Specified									
PART NUMBER (Note 1)	IBER MARKING STAND-OFF BREAKDOWN SNAP BACK CLAMPING LEAKAGE CAPAC								
		V <sub>wM</sub> VOLTS	@ 1mA V <sub>(BR)</sub> VOLTS	@ I <sub>SB</sub> = 50mA V <sub>SB</sub> VOLTS	@ I <sub>p</sub> = 1A V <sub>c</sub> VOLTS	@V <sub>wм</sub> Ι <sub>D</sub> μΑ	@0V, 1MHz C pF		
ESOT3.3LC-2	E3	3.3	3.5	3.3	6.5	2	15		

## NOTES

<sup>1.</sup> Test between pins 2 to 3 and 1 to 3.

# **TYPICAL DEVICE CHARACTERISTICS**







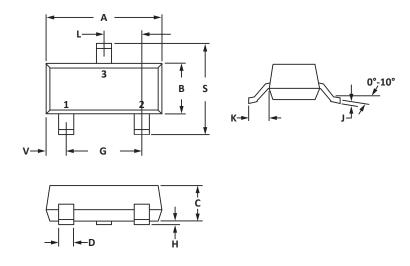
# PROJEK DEVICES Only One Name Means Projek Tion\*

# **SOT-23 PACKAGE INFORMATION**

OUTLINE DIMENSIONS								
DIM	MILLIN	IETERS	INCHES					
ווועו	MIN	MAX	MIN	MAX				
Α	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				



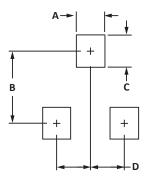
- 1. Controlling dimension: inches.
- 2. Dimensioning and tolerances per ANSI Y14.5M, 1985.
- 3. Pin 3 is the cathode (Unidirectional Only)
- 4. Dimensions are exclusive of mold flash and metal burrs.



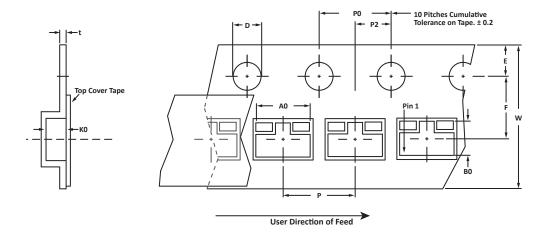
PAD LAYOUT DIMENSIONS								
DIM	MILLIN	IETERS	INCHES					
DIM	MIN	MAX	MIN	MAX				
А	0.71	0.97	0.028	0.038				
В	1.88	2.13	0.074	0.084				
С	0.71	0.97	0.028	0.038				
D	0.81	1.07	0.032	0.042				

## NOTES

1. Controlling dimension: inches.



# **TAPE AND REEL**



SPECIFICATIONS												
REEL DIA.	TAPE WIDTH	Α0	В0	КО	D	E	F	W	P0	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.
- 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. 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	ER LEADFREE SUFFIX TAPE SUFFIX QTY/REEL REEL SIZE TUI							
ESOT3.3LC-2	-LF	-T7	3000	7"	n/a			
ESOT3.3LC-2	-LF	-T13	10,000	13"	n/a			
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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