

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}	200	Watts					
Operating Temperature	T _A	-55 to 150	°C					
Storage Temperature	T _{stg}	-55 to 150	°C					

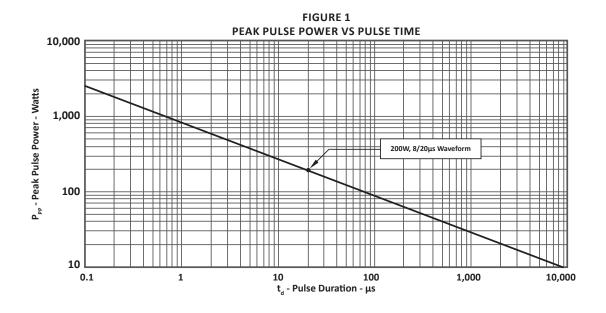
ELECTRICAL CHARACTERISTICS PER LINE @ 25°C Unless Otherwise Specified									
PART NUMBER (Note 1 -2)	DEVICE MARKING	RATED STAND-OFF VOLTAGE V _{WM} VOLTS	DOTE		MAXIMUM LEAKAGE CURRENT @V _{wM} I _D μΑ	TYPICAL CAPACITANCE @0V, 1MHz C _{J(SD)} pF			
GBLLC03	U3	3.0	4.0	7.0	1	0.4			
GBLLC03C	В3	3.0	4.0	7.0	1	0.4			

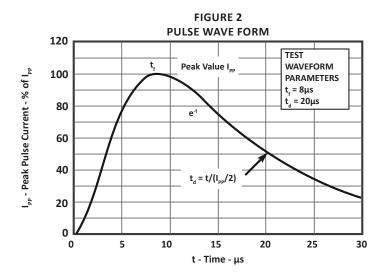
NOTES

^{1.} Part numbers with an additional "C" suffix are bidirectional, i.e., GBLLC03C.

^{2.} Unidirectional Only: Positive potential is applied from pin 1 to 2.

TYPICAL DEVICE CHARACTERISTICS







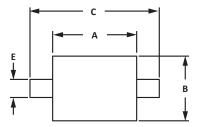
PROFEK DEVICES Only One Name Means Profek Tion*

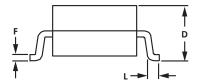
SOD-323 PACKAGE INFORMATION

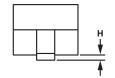
OUTLINE DIMENSIONS								
DIM	MILLIN	IETERS	INCHES					
ווועו	MIN	MAX	MIN	MAX				
А	1.60	1.90	0.063	0.075				
В	1.15	1.45	0.045	0.057				
С	2.39	2.70	0.094	0.106				
D	0.80	1.10	0.031	0.043				
Е	0.25	0.40	0.010	0.016				
F	0.10	0.20	0.004	0.008				
Н	-	0.10	-	0.004				
L	0.20	-	0.008	-				

NOTES

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



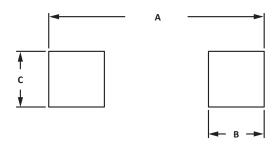




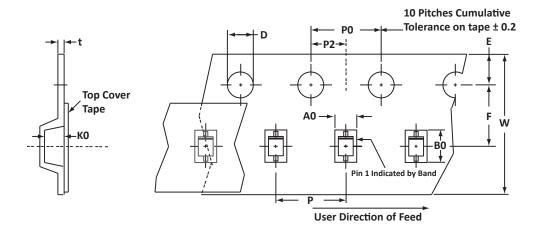
PAD LAYOUT DIMENSIONS								
DINA	MILLIM	IETERS	INCHES					
DIM	MIN MAX		MIN	MAX				
Α	2.87	3.12	0.113	0.123				
В	0.66	0.91	0.026	0.036				
С	0.66	0.91	0.026	0.036				

NOTES

1. Controlling dimension: millimeters.



TAPE AND REEL



SPECIFICATIONS												
REEL DIA.	TAPE WIDTH	Α0	В0	КО	D	E	F	W	P0	P2	Р	tmax
178mm (7")	8mm	1.55 ± 0.10	2.90 ± 0.10	1.35 ± 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), polarity band (Unidirectional Only).

Package outline, pad layout and tape specifications per document number 06010.R4 9/10.

ORDERING INFORMATION								
BASE PART NUMBER (xx = Voltage)	I IFADEREE SLIEFIX TAPE SLIEFIX OTY/REFI REFLISIZE TURE OTY							
GBLLCxx/GBLLCxxC	n/a	-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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