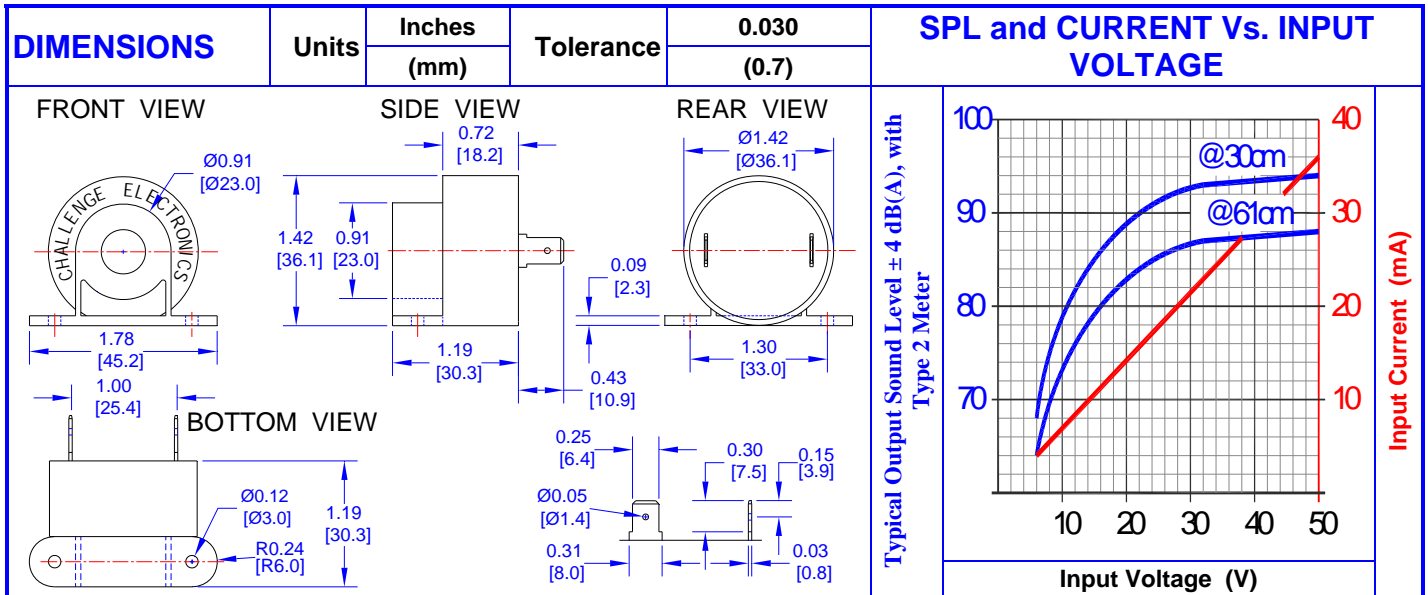




PRODUCT INFORMATION

		Part Number		CEC-532B		Revision: 3-2013			
Soft Intermittent Tone Piezoelectric Alarm									
DESCRIPTION				FEATURES					
Challenge Electronics Piezoelectric Alarm; SOFT Loudness INTERMITTENT Tone; 9 to 48 Vdc, 85 dB(A) at maximum Voltage and 61 cm; with a frequency of 215 Hz . Piezoelectric Alarm; Includes 4,700 Ω Shunt from positive to negative terminals for False Alarm; Panel Mounted with 2 screws; Terminated with two 0.25" (6.4 mm) Quick Disconnect Blades				<ul style="list-style-type: none"> ◆ Reliable Solid State Piezoelectric Technology ◆ Corrosion resistant Stainless Steel Diaphragm ◆ Flame Retardant Plastic ◆ Extended storage temperature ◆ Hermetically Sealed Alarm ◆ RoHS, Lead Free Compliance ◆ ISO 9001 Certified 					
SPECIFICATIONS									
Operating Mode		Soft Loud, Intermittent Tone		Pulse Rate		1 ± 20% Pulse per Second			
Operating Voltage		9 to 48 Vdc		Nominal Operating Voltage		36 Vdc			
Operating Frequency		Main Frequency: 215 ± 20% Hz. with a 2,900 ± 20% Hz. Harmonic							
Sound Pressure Level		At Minimum Voltage		70 ± 5 dB(A) at: 9 Vdc, 24 inches (61 cm), 25°C					
		At Maximum Voltage		85 ± 4 dB(A) at: 48 Vdc, 24 inches (61 cm), 25°C					
Maximum Current		At Minimum Voltage		8 mA		At Maximum Voltage			
				35 mA		At Nominal Voltage			
Surge Voltage		10% over maximum Operating Voltage for less than 1 minutes							
False Operation		Alarm includes 4,700 Ohms Shunts from Positive to each Negative to eliminate false sound due to leakage current							
Operating Temperature		-30°C to +65°C		Storage Temperature		-40°C to +85°C			
Materials		Alarm Case Plastic, "J" Case, NORYL™, PX9406 or equal, flame retardant UL 94-V0, Black							
		Diaphragm Stainless Steel 304							
		Encapsulation Two parts epoxy resin and/or silicone potting, Black							
		Termination Two (2), 0.25 (6.4 mm) Quick Disconnect Blades, 0.032Ø (0.8Ø mm) wide, Brass, Electro-Tin plated							
Physical Dimensions		Length or Diameter (L /D)		1.40" (35.7 mm) Ø		Width (W)			
				1.78" (45.2 mm)		Height (H)			
						1.65" (41.9 mm)			
Approximate Weight		25 grams		Compliance		RoHS			
RELIABILITY									
Thermal Operating Temperature Test		96 hours continuous operation at Rated Power , at Maximum Rated Operating Temperature *							
		96 hours continuous operation at Rated Power , at Minimum Rated Operating Temperature *							
Thermal Storage Temperature Test		96 hours storage at Maximum Rated Storage Temperatures *							
		96 hours storage at Minimum Rated Storage Temperatures *							
Thermal Shock Test		5 cycles of Minimum and Maximum Operating Temperature Each cycle shall be set per diagram below and is 3 hours long *							
Humidity Test		120 Hours at +60°C ± 2°C. 90-95 % RH *							
Salt Spray		Withstand exposure to salt spray per ASTM B117 for a period of 300 hours *							
Environmental Exposure		Dust, water, salt, dust-control agents, moisture-control agents, detergents, degreasers, diesel fuel, hydraulic fluid per IP-68 *							
Vibration Test		2 Hours at 1.5 mm with 10 to 55 Hz. of vibration frequency to each of 3 perpendicular direction *							
Drop Test		Dropped naturally from 1 meter height onto the surface of 10 mm wooden board, 2 directions upper and side of the part are applied *							
Termination Strength		Maximum of 15 pounds (6.8 Kg) load pull test							
* Reliability Test Performance		Parts should conform to original performance within ± 3 dB							
Life Test		Intermittent 1,000 hours of a 1 minute on 4 minutes off cycle at room temperature and Nominal Rated Voltage							
		Continuous 250 hours continuous operation at room temperature and Nominal Rated Voltage							
Warranty		For a period of one (1) year from date of shipping under normal operations conditions This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair							



PACKAGING

Tray

Shipping Box

Carrying Information

6	↑↑
☉	☂

MODEL :	
QTY :	
N.W :	
G.W :	
SIZE :	00 X 00 X 00
LOT NO :	

Tray		
Dimensions	X1	cm
	Y1	cm
	Z1	cm
Quantity		
SHIPPING BOX		
Dimensions	X2	cm
	Y2	cm
	Z2	cm
Part Number		
Customer PN (if required)		
Number of Trays		
Quantity		
Lot and/or Date Code		
PO Number		
Net Weight		
Gross Weighjt		
Box Number		
of Number of Boxes		
Country of Origin		Made in China

Revision	Description	By	Date
2-2013	Updated Specifications Format	Ely Zofan	4/3/2013
3-2013	Corrected Tone Description	Ely Zofan	4/6/2013

The information contained herein is believed to be correct, but no guarantee or warranty, express or implied, with respect to accuracy, completeness or results is extended and no liability is assumed. Challenge Electronics reserves the right to make changes in any specification, data or material contained herein.