



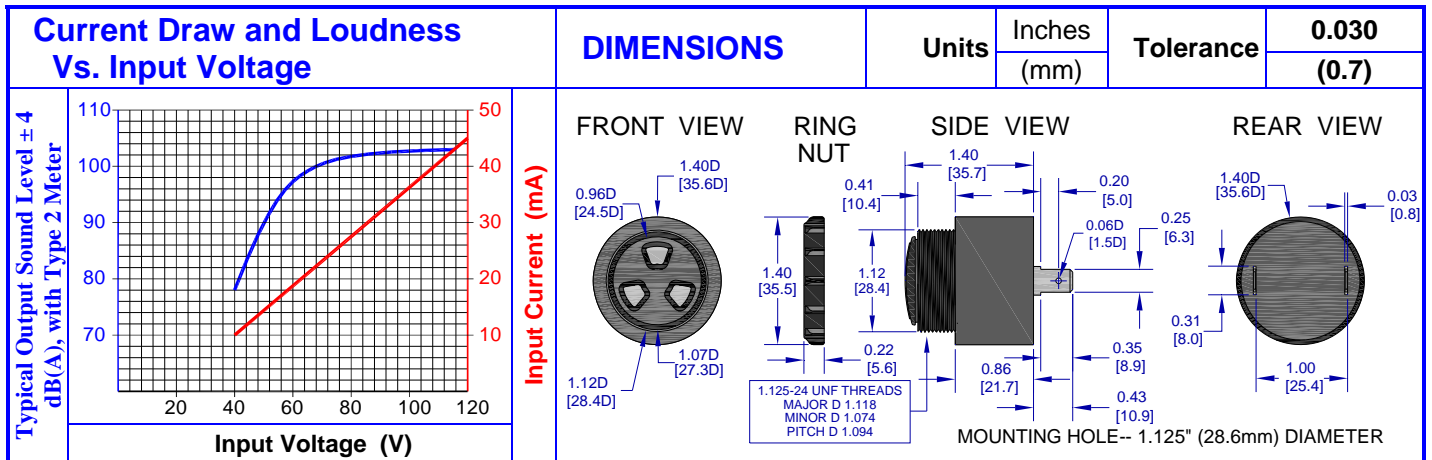
# PRODUCT INFORMATION

**Part #: CE-BX201AQF**

**Revision: 3-2012**



DESCRIPTION		FEATURES			
<b>Challenge Electronics B INTERMITTENT Tone, EXTRA Loud, 40 to 120 Vac, A style case Rear Panel Mounting in 1.125" (28.6 mm) Hole, Sound Pressure Level of 103 dB(A) at 117 Vac at 61 cm, 2,900 Hz. Output Frequency, Quick Connect Blades termination, Fast Rate 3 pulses per second, Piezoelectric Alarm, RoHS Compliant</b>		<ul style="list-style-type: none"> <li>◆ Reliable Solid State Piezoelectric Technology</li> <li>◆ Corrosion resistant Stainless Steel Diaphragm</li> <li>◆ Flame Retardant Plastic</li> <li>◆ Extended storage temperature</li> <li>◆ Hermetically Sealed Alarm</li> <li>◆ Water Proof, NEMA 3R, 4X, or 12 with Gasket (not supplied)</li> <li>◆ RoHS, Lead Free Compliance</li> <li>◆ ISO 9001 Certified</li> </ul>			
SPECIFICATIONS					
Operating Mode	Extra Loud, Fast Intermittent Tones	Pulse Rate	3 ± 10% Pulses per Second		
Operating Voltage	40 to 120 Vac	Nominal Operating Voltage	117 Vac		
Operating Frequency	2,900 ± 500 Hz.				
Typical Loudness	At Minimum Voltage	84 ± 5 dB(A), at 40 Vac, 24 inches (61 cm), 25°C			
	At Maximum Voltage	103 ± 3 dB(A), at 117 Vac, 24 inches (61 cm), 25°C			
Typical Operating Current	At Minimum Voltage	10 mA at 40 Vac	At Maximum Voltage	50 mA at 117 Vac	
Operating Temperature	-30°C to +65°C		Storage Temperature	-40°C to +105°C	
Surge Voltage	20% over maximum Operating Voltage for less than 5 minutes				
Materials	Alarm Case	Plastic, "A" Case, NORYL™, PX9406 or equal, flame retardant UL 94-V0, Black			
	Diaphragm	Stainless Steel 304			
	Encapsulation	Two parts epoxy resin or silicone potting, Black			
	Termination	Two, 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)	1.46" (37.1 mm) Ø	Width (W)	Height (H)	1.4" (35.7 mm)
Approximate Weight	35 grams	Removable Washing Label	No	Compliance	RoHS
Available Options					
RELIABILITY					
Thermal Operating Temperature Test	240 hours continuous operation at <b>Rated Power</b> , at <b>Maximum Rated Operating Temperature</b> *				
	240 hours continuous operation at <b>Rated Power</b> , at <b>Minimum Rated Operating Temperature</b> *				
Thermal Storage Temperature Test	96 hours storage at <b>Maximum Rated Storage Temperatures</b> *				
	96 hours storage at <b>Minimum Rated Storage Temperatures</b> *				
Thermal Shock Test	5 cycles of <b>Minimum and Maximum Operating Temperature</b> 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 *				
Water & Dust Exposure	Withstands water submergence and dust exposure 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 10mm 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 ±3dB, after 3 hours of recovery and dry period				
Life Test	Intermittent	1,000 hours of a 1 minute on 4 minutes off cycle at room temperature and <b>maximum rated voltage</b>			
	Continuous	250 hours continuous operation at <b>maximum rated Voltage</b> and maximum Operating Temperatures			
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

**ONE TRAY:**

**TWO BUNDLE**

**ONE BUNDLE:**

**SHIPPING BOX**

MODEL	
QTY	PCS
N.W	KG
G.W	KG
SIZE	
LOT NO	

MARKING	TRAY	
<b>Bundle</b>	Dimensions	<b>X1</b> 34.7 cm
Customer PN		<b>Y1</b> 34.7 cm
Other PN if required		<b>Z1</b> 21.2 cm
Quantity	Quantity	<b>42</b>
Lot and/or Date Code	<b>BUNDLE</b>	
Bundle Number	Dimensions	<b>X2</b> cm
<b>Shipping Box</b>		<b>Y2</b> cm
Customer Part Number		<b>Z2</b> cm
Other PN (if required)	Quantity	
Quantity	<b>SHIPPING BOX</b>	
Lot and/or Date Code	Dimensions	<b>X3</b> 35 cm
PO Number		<b>Y3</b> 35 cm
Net Weight		<b>Z3</b> 22.5 cm
Gross Weighjt	Number of Bundles	<b>1</b>
Box Number	Quantity	<b>250</b>
of Number of Boxes	Approximate Weight	<b>9 Kg.</b>
<b>Made in China</b>		

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