



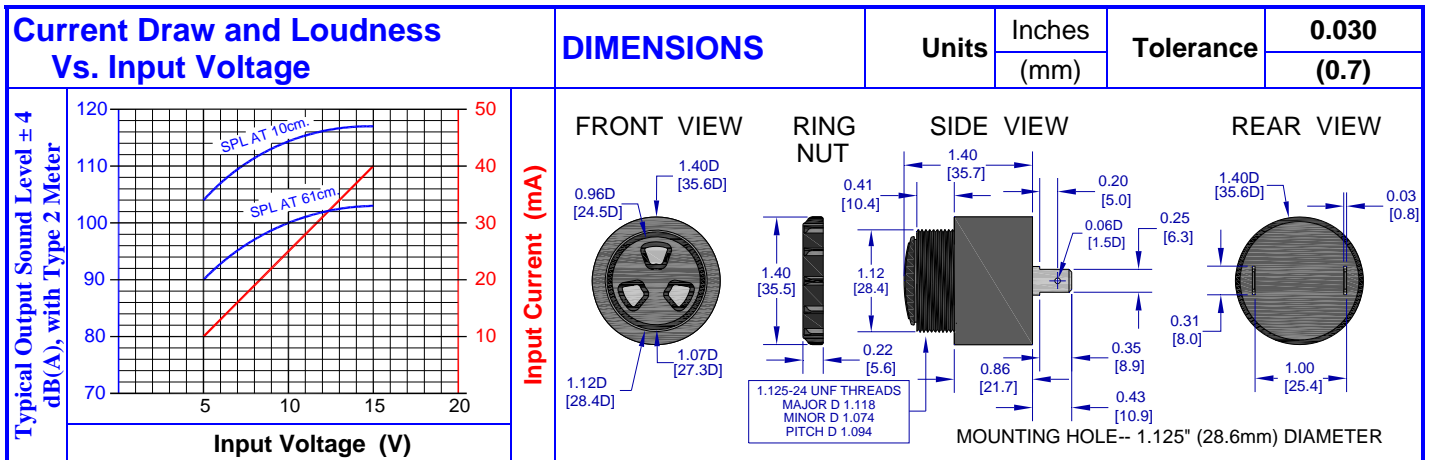
PRODUCT INFORMATION

Part #: CE-WX515AQS

Revision: 3-2012



DESCRIPTION		FEATURES			
Challenge Electronics WARBLE Tone, EXTRA Loud, 5 to 15 Vdc, A style case Rear Panel Mounting in 1.125" (28.6 mm) Hole, Sound Pressure Level of 103 dB(A) at 15 Vdc at 61 cm, 2,900 Hz. Output Frequency, Quick Connect Blades termination, Slow Rate 1 cycle per second, Piezoelectric Alarm, RoHS Compliant		<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 ◆ Water Proof, NEMA 3R, 4X, or 12 with Gasket (not supplied) ◆ RoHS, Lead Free Compliance ◆ ISO 9001 Certified 			
SPECIFICATIONS					
Operating Mode	Extra Loud, Slow Warble Tone		Pulse Rate	1 ± 10% Cycle per Second	
Operating Voltage	5 to 15 Vdc		Nominal Operating Voltage	12 Vdc	
Operating Frequency	Center Frequency 2,900 ± 250 Hz.; cycles approximately ± 300 Hz. From Center Frequency				
Typical Loudness	At Minimum Voltage	90 ± 5 dB(A), at 5 Vdc, 24 inches (61 cm), 25°C			
	At Maximum Voltage	103 ± 3 dB(A), at 15 Vdc, 24 inches (61 cm), 25°C			
Typical Operating Current	At Minimum Voltage	10 mA at 5 Vdc	At Maximum Voltage	40 mA at 15 Vdc	
	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 Rated Power, at Maximum Rated Operating Temperature *				
	240 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 *				
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 maximum rated voltage			
	Continuous	250 hours continuous operation at maximum rated Voltage 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		MARKING		TRAY																			
				Bundle																					
ONE BUNDLE: 		SHIPPING BOX 		Customer PN		Dimensions																			
TOP COVER 		ITEM: C/NO: MADE IN CHINA		Other PN if required		X1 34.7 cm Y1 34.7 cm Z1 21.2 cm																			
<table border="1"> <tr> <td>6</td> <td>↑↑</td> </tr> <tr> <td>↑</td> <td>↑</td> </tr> <tr> <td>↑</td> <td>↑</td> </tr> </table>		6	↑↑	↑	↑	↑	↑	<table border="1"> <tr> <td>MODEL</td> <td>PCS</td> </tr> <tr> <td>QTY</td> <td>KG</td> </tr> <tr> <td>N.W</td> <td>KG</td> </tr> <tr> <td>G.W</td> <td>KG</td> </tr> <tr> <td>SIZE</td> <td></td> </tr> <tr> <td>LOT NO</td> <td></td> </tr> </table>		MODEL	PCS	QTY	KG	N.W	KG	G.W	KG	SIZE		LOT NO		Quantity		42	
6	↑↑																								
↑	↑																								
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MODEL	PCS																								
QTY	KG																								
N.W	KG																								
G.W	KG																								
SIZE																									
LOT NO																									
		Lot and/or Date Code		BUNDLE																					
		Bundle Number		X2 cm																					
		Shipping Box		Dimensions		Y2 cm																			
		Customer Part Number		Z2 cm																					
		Other PN (if required)		Quantity																					
		Quantity		SHIPPING BOX																					
		Lot and/or Date Code		X3 35 cm																					
		PO Number		Dimensions		Y3 35 cm																			
		Net Weight		Z3 22.5 cm																					
		Gross Weighjt		Number of Bundles		1																			
		Box Number		Quantity		250																			
		of Number of Boxes		Approximate Weight		9 Kg.																			
		Made in China																							

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