



PRODUCT INFORMATION

Part #: **CE-HM630AQS**

Revision: 3-2012



DESCRIPTION		FEATURES			
Challenge Electronics CHIME Tone, MEDIUM Loud, 6 to 30 Vdc, A style case Rear Panel Mounting in 1.125" (28.6 mm) Hole, Sound Pressure Level of 96 dB(A) at 30 Vdc at 61 cm, 2,900 Hz. Output Frequency, Quick Connect Blades termination, Slow Rate 1 pulse 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	Medium Loud, Slow Chime Tone		Pulse Rate	1 ± 10% Pulse per Second	
Operating Voltage	6 to 30 Vdc		Nominal Operating Voltage	24 Vdc	
Operating Frequency	2,900 ± 250 Hz.				
Typical Loudness	At Minimum Voltage	80 ± 5 dB(A), at 6 Vdc, 24 inches (61 cm), 25°C			
	At Maximum Voltage	96 ± 3 dB(A), at 30 Vdc, 24 inches (61 cm), 25°C			
Typical Operating Current	At Minimum Voltage	10 mA at 6 Vdc	At Maximum Voltage	40 mA at 30 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 resign or silicone potting, Black			
	Termination	Two, 0.25 (6.4 mm) Quick Connect 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 shell 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				



Current Draw and Loudness Vs. Input Voltage		DIMENSIONS		Units	Inches (mm)	Tolerance	0.030 (0.7)
Typical Output Sound Level ±4 dB(A), with Type 2 Meter		Input Current (mA)		RING NUT			MOUNTING HOLE-- 1.125" (28.6mm) DIAMETER
PACKAGING							
<p>ONE TRAY:</p>	<p>TWO BUNDLE</p>	MARKING		TRAY			
<p>ONE BUNDLE:</p>	<p>SHIPPING BOX</p>	Bundle	Dimensions	X1	34.7 cm		
		Customer PN		Y1	34.7 cm		
Other PN if required	Z1	21.2 cm					
Quantity	Quantity	42					
Lot and/or Date Code	BUNDLE						
Bundle Number	Dimensions	X2	cm				
Shipping Box		Y2	cm				
Customer Part Number	Z2	cm					
Other PN (if required)	Quantity						
Quantity	SHIPPING BOX						
Lot and/or Date Code	Dimensions	X3	35 cm				
PO Number		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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