



# PRODUCT INFORMATION

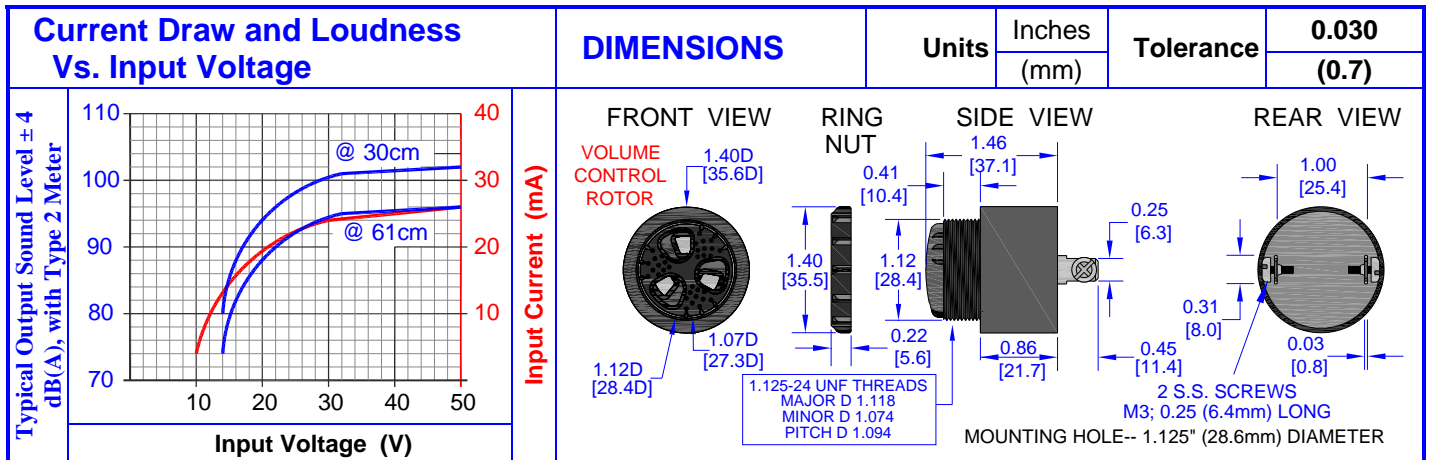
Part #: **CE-HM550AVSS**

Revision: 3-2012



DESCRIPTION		FEATURES			
<p><b>Challenge Electronics CHIME Tone, MEDIUM Loud, 15 to 50 Vac/dc, A style case</b> Rear Panel Mounting in 1.125" (28.6 mm) Hole, Sound Pressure Level of <b>96 dB(A)</b> at 50 Vac at 61 cm, <b>2,900 Hz.</b> Output Frequency, <b>S</b> two 0.25" (6.4 mm) Blades with M3 0.25" (6.4 mm) long Stainless Steel Screws termination, <b>Slow Rate 1</b> pulse per second, Piezoelectric Alarm with a mechanical Volume Control, <b>RoHS</b> Compliant</p>		<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	Medium Loud, Slow Chime Tone		Pulse Rate	1 ± 10% Pulse per Second	
Operating Voltage	15 to 50 Vac/dc		Nominal Operating Voltage	36 and 48 Vac	
Operating Frequency	2,900 ± 250 Hz.				
Typical Loudness	At Minimum Voltage	85 ± 5 dB(A), at 15 Vac, 24 inches (61 cm), 25°C			
	At Maximum Voltage	96 ± 3 dB(A), at 50 Vac, 24 inches (61 cm), 25°C			
Volume Control	<p>Maximum Sound Pressure Level can be restricted up to 20 dB from maximum output. (Note, The Volume Control Rotor may reduce maximum loudness)            To install, simply, push the ROTOR onto the front of alarm until it snapped in place            To attenuate sound, while alarm is turned on, rotate the ROTOR until maximum desired sound is achieved</p>				
Typical Operating Current	At Minimum Voltage	10 mA at 15 Vac	At Maximum Voltage	25 mA at 50 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 Connect Blades, 0.032Ø (0.8Ø mm) Wide, Brass, Electro-Tin plated With M3 0.25" (6.4 mm) long Stainless Steel Screws.			
Physical Dimensions	Length or Diameter (L/D)	1.46" (37.1 mm) Ø	Width (W)	Height (H)	1.46" (37.1 mm)
Approximate Weight	39 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 *				
Thermal Storage Temperature Test	240 hours continuous operation at Rated Power, at Minimum Rated Operating Temperature *				
Thermal Shock Test	96 hours storage at Maximum Rated Storage Temperatures *				
	96 hours storage at Minimum Rated Storage Temperatures *				
Thermal Shock Test	<p>5 cycles of Minimum and Maximum Operating Temperature            Each cycle shall be set per diagram below and is 3 hours long *</p>				
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 and of 4 lb. per inch driving torque on screw				
* 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				

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.



### PACKAGING

**ONE TRAY:**

**TWO BUNDLE:**

**ONE BUNDLE:**

**SHIPPING BOX:**

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

MARKING		TRAY	
Bundle		X1	34.7 cm
Customer PN	Dimensions	Y1	34.7 cm
Other PN if required		Z1	21.2 cm
Quantity	Quantity	<b>42</b>	
Lot and/or Date Code	<b>BUNDLE</b>		
Bundle Number		X2	cm
Shipping Box	Dimensions	Y2	cm
Customer Part Number		Z2	cm
Other PN (if required)	Quantity		
Quantity	<b>SHIPPING BOX</b>		
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	<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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