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PRODUCT INFORMATION

PART # **CE-HM630EPS**

Revision: 0-2009

DESCRIPTION:

The **CE-HM630EPS** is a SLOW CHIME Tone, ME-DIUM Loud, 6 to 30 Vdc Piezoelectric. PCB Mounted. Terminated with three PINS 0.032" Dia.

FEATURES:

- ◆ Reliable Solid State Piezoelectric Technology.
- ◆ Corrosion resistant Stainless Steel Diaphragm.
- ◆ RoHS Compliance.
- ◆ EMC/EMI/EMS/RF Compliance.
- ◆ Flame Retardant Plastic.
- ◆ Extended storage temperature.
- ◆ Hermetically Sealed Alarm.
- ◆ ISO 9001 Certified.

SPECIFICATIONS:

Operating Mode:	Medium Loud, Chime Tone.	Chime Rate:	1±10% Cycle per Second.
Operating Voltage:	6 to 30 Vdc.	Nominal Operating Voltage:	24 Vdc
Operating Frequency:	2900±250 Hz.		
Typical Loudness:	At Minimum Voltage:	70±5dB(A), at 6 Vdc, at 24 inches (61cm), at 25°C.	
	At Maximum Voltage:	95±3dB(A), at 30 Vdc, at 24 inches (61cm), at 25°C.	
Typical Operating Current:	At Minimum Voltage:	10 mA at 6 Vdc.	At Maximum Voltage:
			30 mA at 30 Vdc.
Operating Temperature:	-30°C to +65°C.	Storage Temperature:	-40°C to +100°C.
Surge Voltage:	20% over maximum rated voltage for less than 5 minutes.		
Termination :	Description:	3 PC Pins, 0.032"(0.8mm) Diameter, Brass, Electro Tin Plated.	
	Termination Strength:	Maximum of 15 pounds (6.8 Kg) load pull test.	
Construction Materials:	Case:	Panel mounted, E Case, plastic, NORYL™, PX9406 or equal, flame retardant UL 94-V0, Black.	
	Diaphragm:	Stainless Steel 304.	
	Encapsulation:	2 parts epoxy resin or silicone potting, Black.	
Weight (Approximately)	30 gr.	Color:	Black
Reliability:	Thermal Operating Cycle Test:	250 hours continuous operation each at minimum & maximum rated Operating Temperatures.	
	Thermal Storage Cycle Test:	250 hours continuous operation each at minimum & maximum rated Storage Temperatures.	
	Thermal Shock Test:	Put in minimum operating temperature for 1 hour than move to +20°C for 5 min. than at maximum operating temperature for 1 hour. than back to +20°C 5 min. Repeat for 5 cycles.	
	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 with no decrease in sound output.	
	Vibration Test:	2 Hours at 1.5mm with 10 to 50Hz. Of vibration frequency to each of 3 perpendicular direction.	
	Drop Test	Dropped naturally from 700mm height onto the surface of 10mm wooden board. 2 directions— upper and side of the part are applied.	
	Life Test:	250 hours continuous operation each at minimum & maximum rated Operating Temperatures.	
Life Expectancy:	Ten (10) years under normal operating conditions.		
Warranty:	For a period of one (1) year from date of manufacture under normal operating conditions.		

