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# **CUI** DEVICES

date 01/06/2020

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MODEL: CEM-1601 | DESCRIPTION: MAGNETIC BUZZER TRANSDUCER

#### **FEATURES**

- through hole
- 1.5 V rated
- externally driven





#### **SPECIFICATIONS**

OI ZOII IOAIIOIIO					
parameter	conditions/description	min	typ	max	units
rated voltage	Vo-p		1.5		Vo-p
operating voltage	ov	1.0		3.0	Vo-p
current consumption	at rated voltage, 2,048 Hz square wave, ½ duty			20	mA
rated frequency			2,048		Hz
sound pressure level	at 10 cm (A-weight), rated voltage, 2,048 Hz square wave, ½ duty	80	88		dBA
coil resistance		25.5	30	34.5	Ω
dimensions	Ø16.0 x 14.0				mm
weight			4.6		g
material	PPO				
terminal	pin type (Au plating)				
operating temperature		-20		60	°C
storage temperature		-30		70	°C
washable	yes				
RoHS	yes	·			

Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106kPa pressure, unless otherwise noted.

#### **SOLDERABILITY**

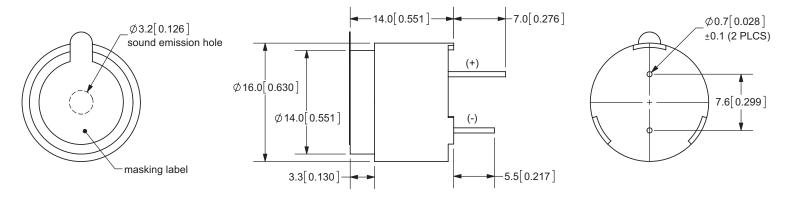
parameter	conditions/description	min	typ	max	units
hand soldering <sup>2</sup>	for maximum 2 seconds	330		380	°C

Notes: 2. Not recommended for wave soldering

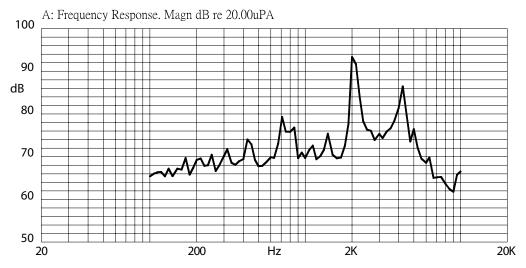
#### **MECHANICAL DRAWING**

units: mm

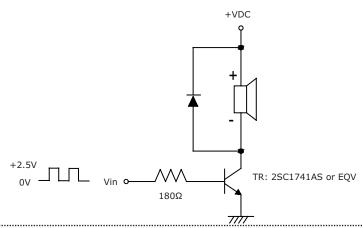
tolerance: ±0.5 mm



### **FREQUENCY RESPONSE CURVE**



### **APPLICATION CIRCUIT**



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#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	09/08/2006
1.01	brand update	01/06/2020

The revision history provided is for informational purposes only and is believed to be accurate.

# **CUI** DEVICES

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