Additional Resources: Product Page | 3D Model | PCB Footprint

# **CUI** DEVICES

**date** 12/20/2019

page 1 of 3

MODEL: CEM-1203(42) | DESCRIPTION: MAGNETIC BUZZER TRANSDUCER

#### **FEATURES**

- through hole
- 3.5 V rated
- externally driven





### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage	Vo-p ↑ □		3.5		Vo-p
operating voltage		3.0		5.0	Vo-p
current consumption	at rated voltage, 2,048 Hz square wave, ½ duty			35	mA
rated frequency			2,048		Hz
sound pressure level	at 10 cm (A-weight), rated voltage, 2,048 Hz square wave, ½ duty	85	95		dBA
coil resistance		35.7	42	48.3	Ω
dimensions	Ø12.0 x 8.5				mm
weight			1.40		g
material	PPO				
terminal	pin type (Au plating)				
operating temperature		-20		60	°C
storage temperature		-30		70	°C
RoHS	yes				

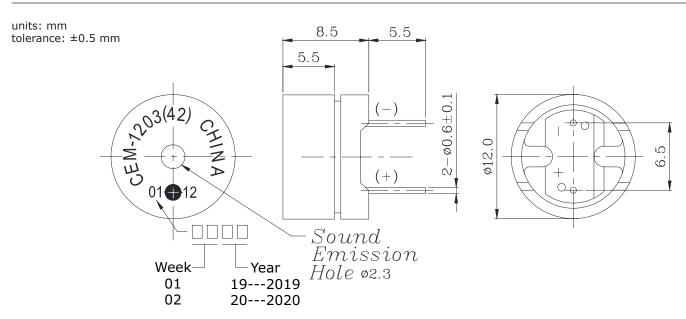
Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

# **SOLDERABILITY**

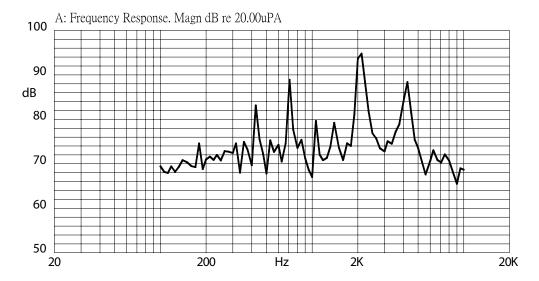
parameter	conditions/description	min	typ	max	units
hand soldering <sup>2</sup>	for maximum 2 seconds	330		380	°C

Notes: 2. Not recommended for wave soldering

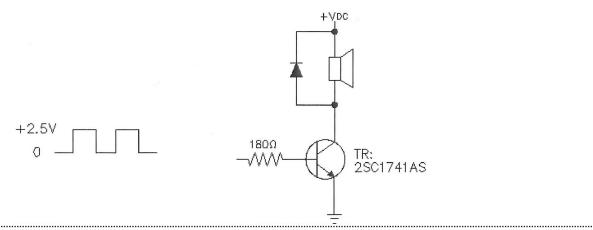
# **MECHANICAL DRAWING**



# **FREQUENCY RESPONSE CURVE**



# **APPLICATION CIRCUIT**



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CUI Devices | MODEL: CEM-1203[42] | DESCRIPTION: MAGNETIC BUZZER TRANSDUCER date 12/20/2019 | page 3 of 3

### **REVISION HISTORY**

rev.	description	date
1.0	initial release	08/11/2006
1.01	brand update	12/20/2019

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

# **CUI** DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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