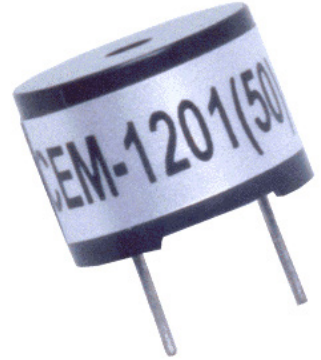


MODEL: CEM-1201[50] | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- through hole
- 1.5 V rated
- externally driven

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage			1.5		Vo-p
operating voltage		1.0		2.0	Vo-p
current consumption	at rated voltage, 2,048 Hz square wave, 1/2 duty			20	mA
rated frequency			2,048		Hz
sound pressure level	at 10 cm (A-weight), rated voltage, 2,048 Hz square wave, 1/2 duty	80	87		dBA
coil resistance		42.5	50	57.5	Ω
dimensions	$\varnothing 12.0 \times 8.5$				mm
weight			1.40		g
material	PPO				
terminal	pin type (Au plating)				
operating temperature		-20		60	$^{\circ}\text{C}$
storage temperature		-30		70	$^{\circ}\text{C}$
RoHS	yes				

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

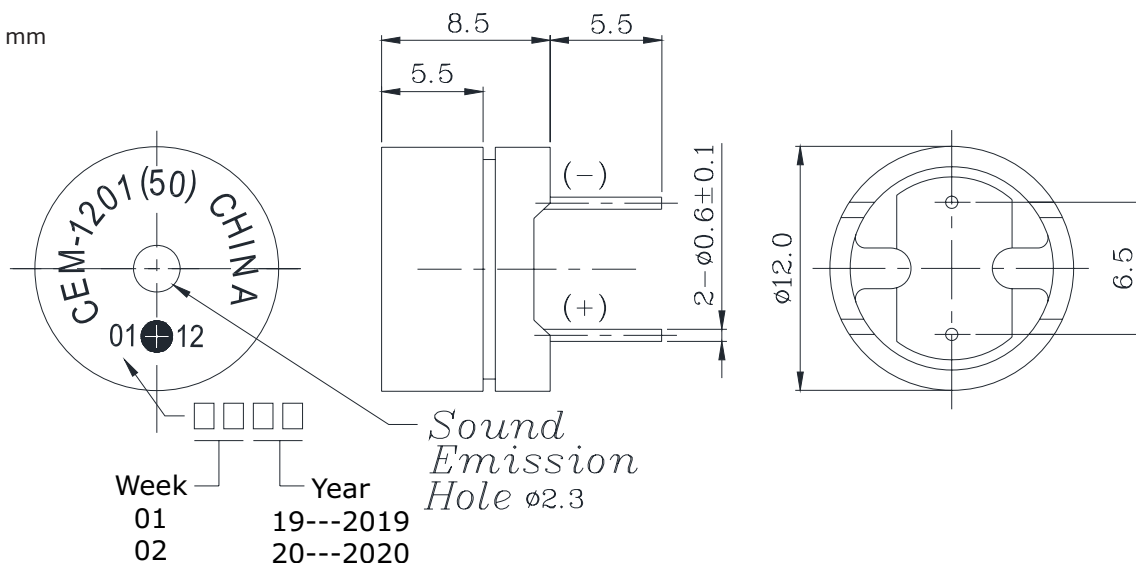
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering ²	for maximum 2 seconds	330		380	$^{\circ}\text{C}$

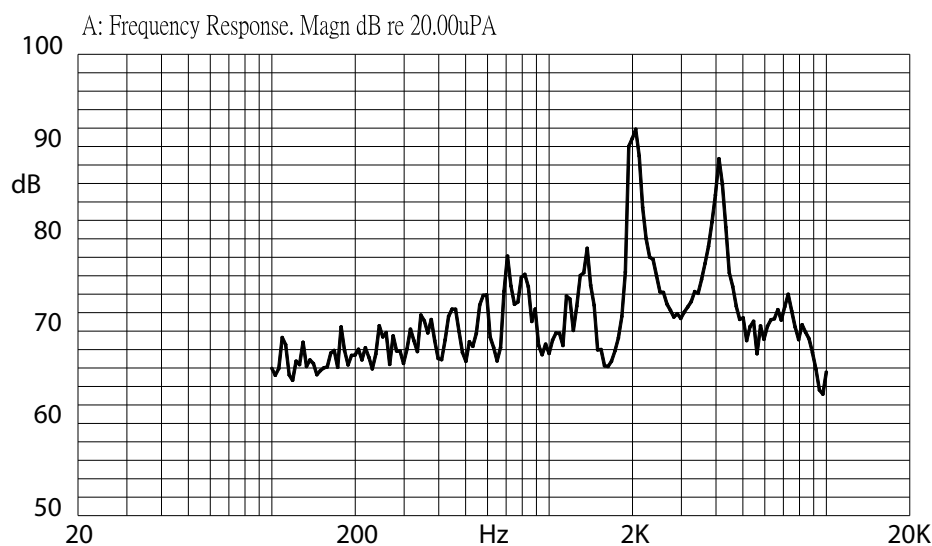
Notes: 2. Not recommended for wave soldering

MECHANICAL DRAWING

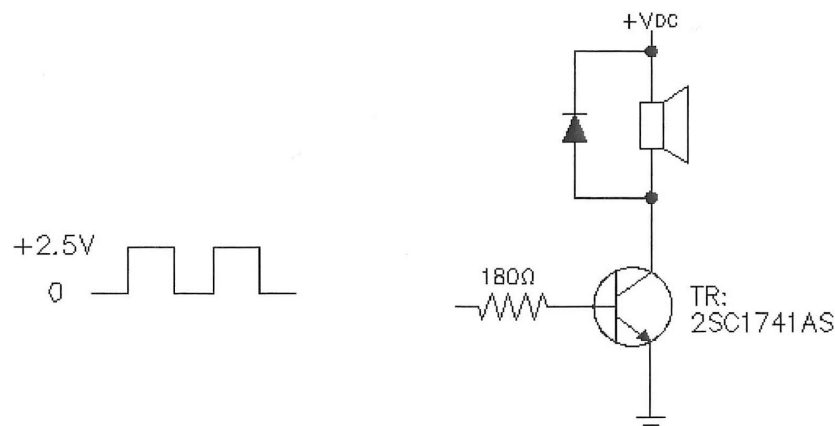
units: mm
tolerance: ± 0.5 mm



FREQUENCY RESPONSE CURVE



APPLICATION CIRCUIT



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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