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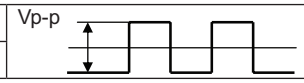
MODEL: CPT-1796-3TH | DESCRIPTION: PIEZO BUZZER TRANSDUCER

FEATURES

- no driving circuit
- piezo
- through hole

RoHS

SPECIFICATIONS

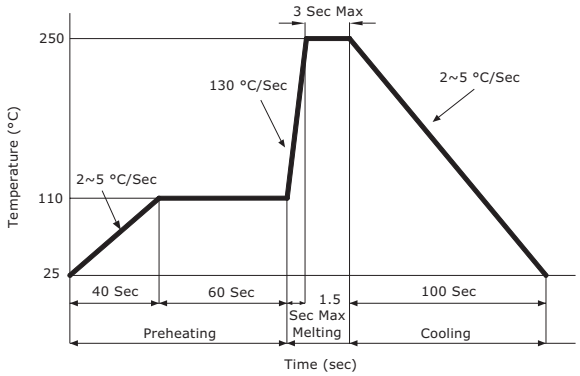
parameter	conditions/description	min	typ	max	units
rated voltage			3		Vp-p
operating voltage				30	Vp-p
current consumption	at rated voltage, 2,000 Hz, ½ duty square wave			3	mA
rated frequency			2,000		Hz
sound pressure level	at 10 cm, rated voltage, 2,000 Hz, ½ duty square wave	70			dB
electrostatic capacitance	at 100 Hz/1 V	17,500	25,000	32,500	pF
dimensions	Ø17 x 9.6				mm
weight			1.4		g
material	PBT (black)				
terminal	pin (tin plating)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
washable	no				
RoHS	yes				

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

SOLDERABILITY

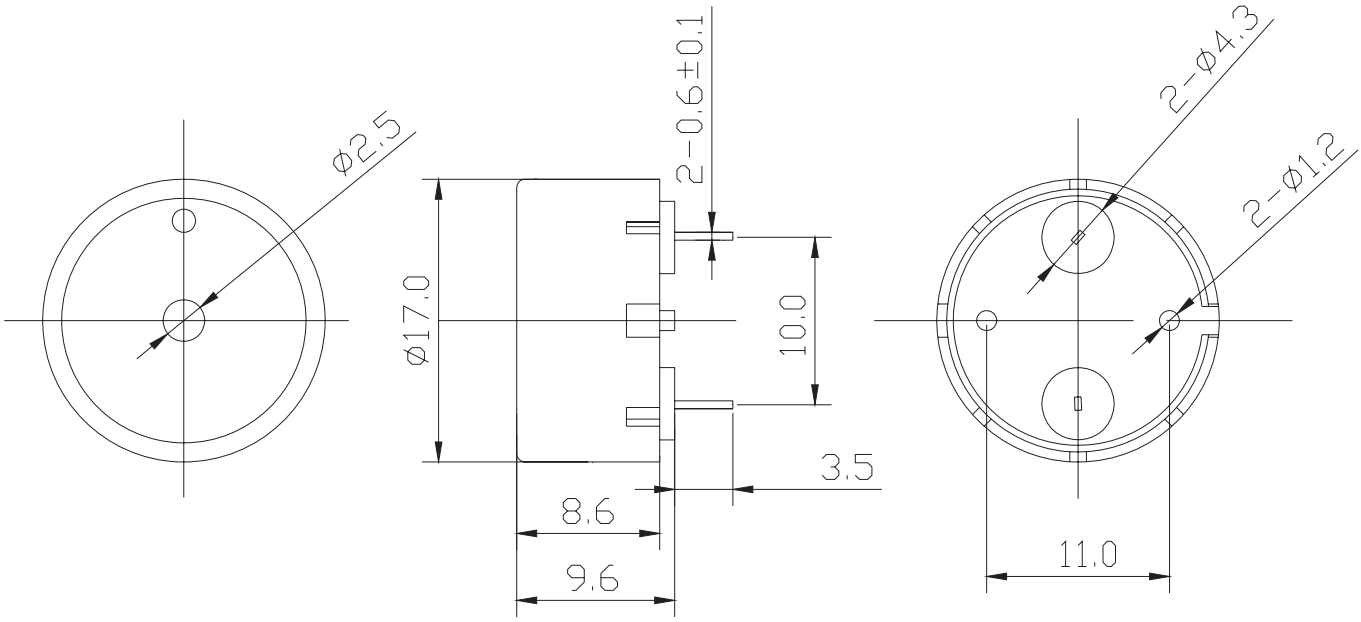
parameter	conditions/description	min	typ	max	units
hand soldering	for max 3 seconds	330		360	°C
wave soldering[2]	see recommended wave soldering profile		250		°C

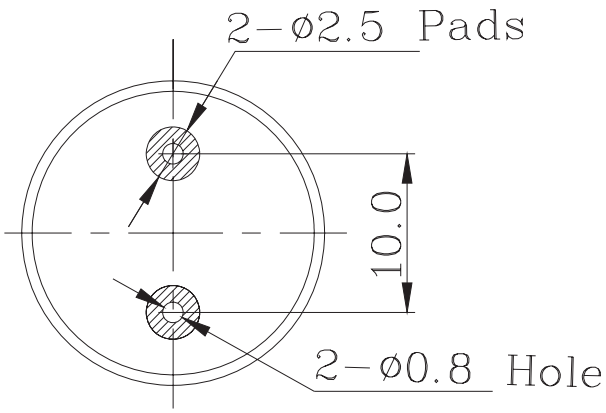
Notes: 2. Not to exceed 1 wave soldering cycle.



MECHANICAL DRAWING

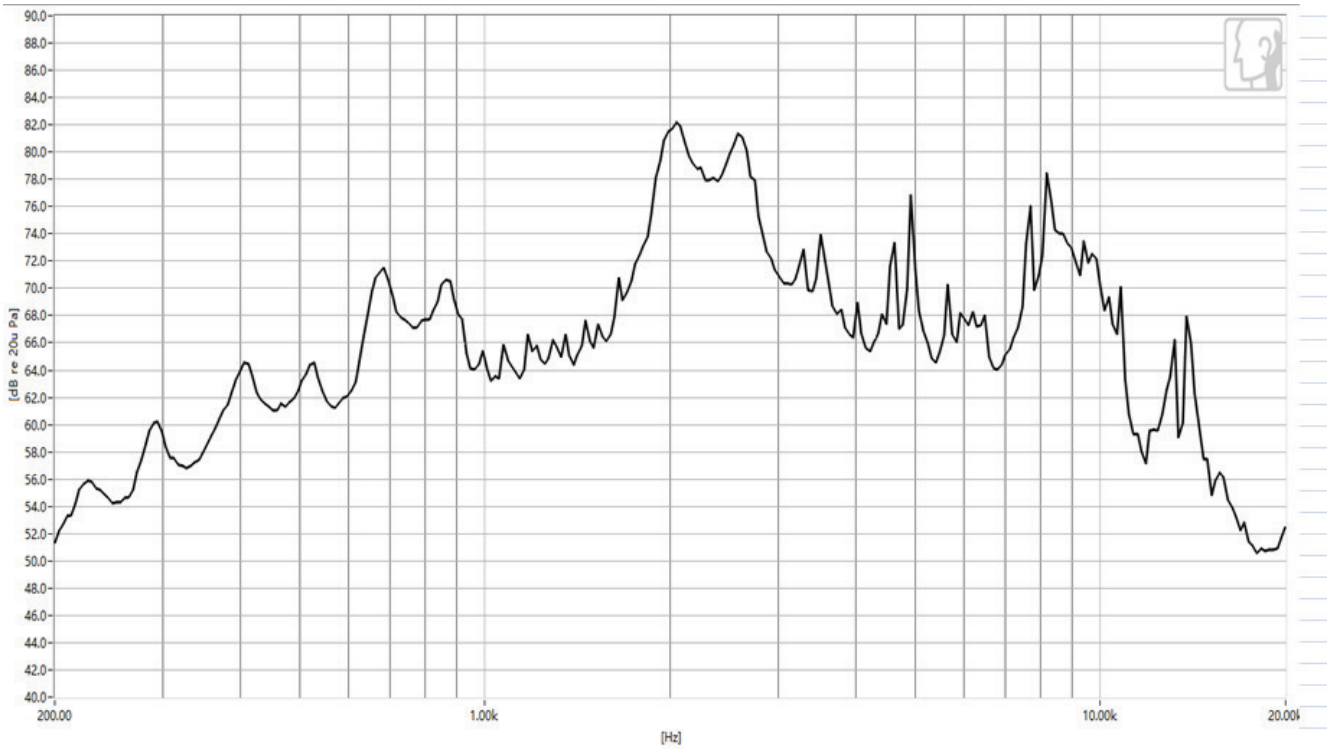
units: mm
tolerance: ±0.5 mm





Reccommended PCB Layout
Top View

FREQUENCY RESPONSE CURVE



REVISION HISTORY

rev.	description	date
1.0	initial release	07/22/2025

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

same sky

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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