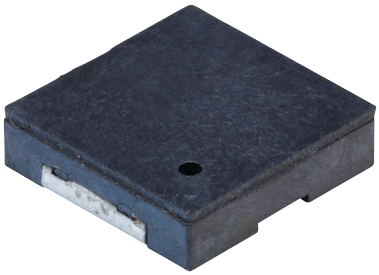
MODEL: CPT-7502-65-SMT-TR | DESCRIPTION: PIEZO BUZZER TRANSDUCER

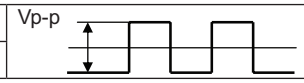
FEATURES

- compact design
- piezo
- surface mount
- externally driven



RoHS

SPECIFICATIONS

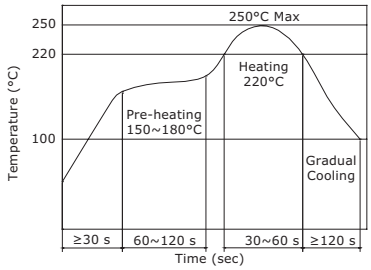
parameter	conditions/description	min	typ	max	units
rated voltage			3		Vp-p
operating voltage		1		25	Vp-p
current consumption	at rated voltage, 6,000 Hz, ½ duty square wave			1	mA
rated frequency	at rated voltage, ½ duty square wave		6,000		Hz
sound pressure level	at 10 cm, rated voltage, 6,000 Hz, ½ duty square wave	65			dB
electrostatic capacitance	at 1 kHz	4,200	6,000	7,800	pF
tone	single				
dimensions	7.5 x 7.5 x 2.0				mm
weight			0.2		g
material	LCP				
terminal	surface mount (brass)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
washable	no				
RoHS	yes				

Notes: 1. All specifications measured at 25±3°C, humidity at 60~70%, under 86~106 kPa pressure, unless otherwise noted.

SOLDERABILITY

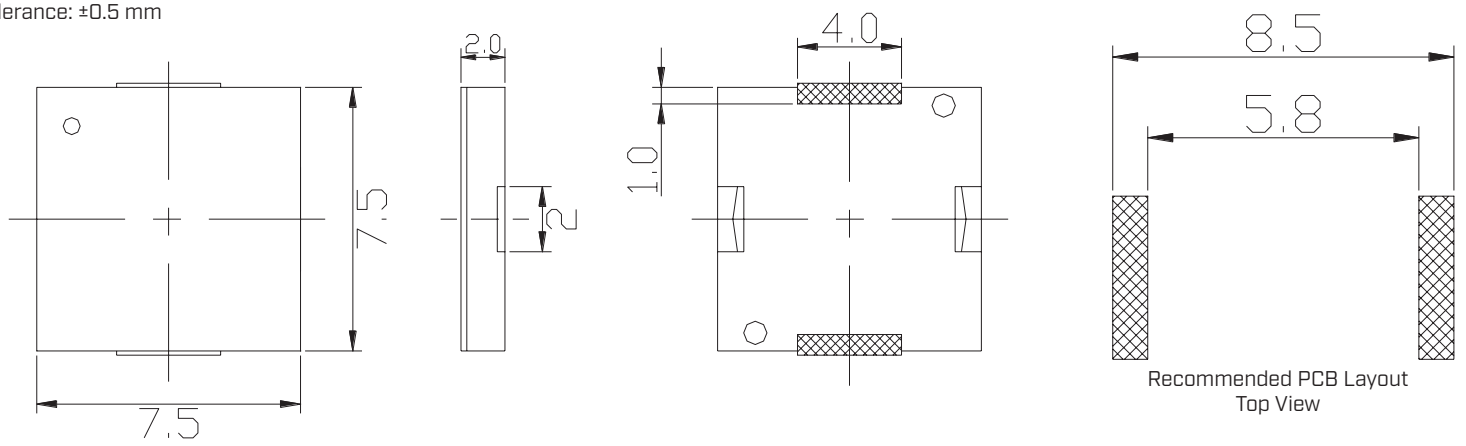
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <60%			25	°C
reflow soldering[2]	see recommended reflow soldering profile			250	°C
drying conditions[3]	bake at 40°C for 24 hours				

Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
3. When out of packaging for more than 48 hours.



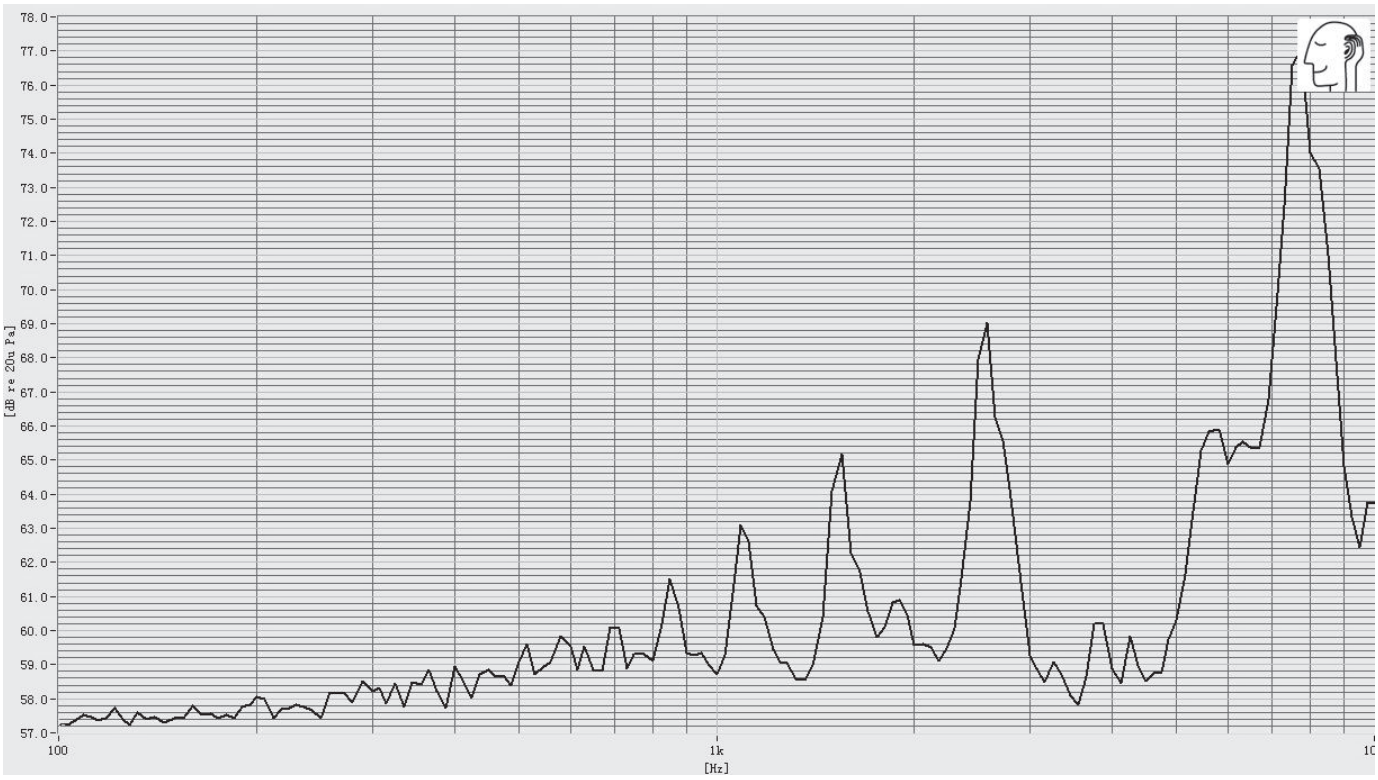
MECHANICAL DRAWING

units: mm
tolerance: ±0.5 mm



Recommended PCB Layout
Top View

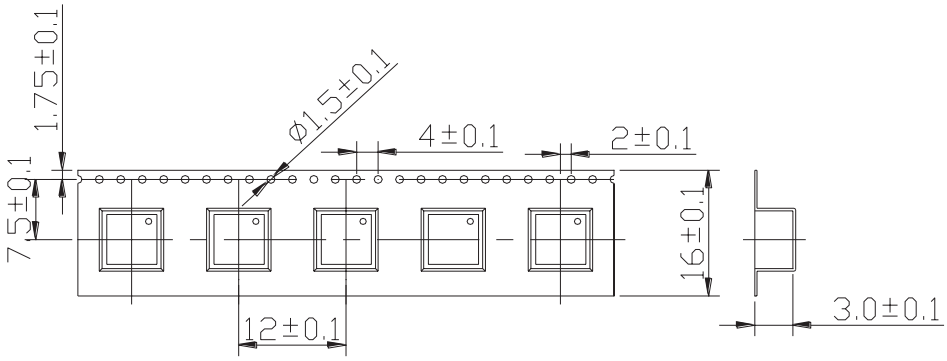
FREQUENCY RESPONSE CURVE



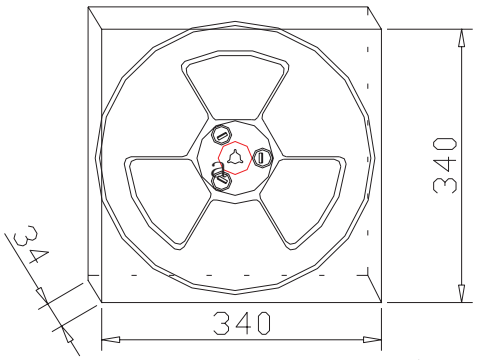
PACKAGING

units: mm

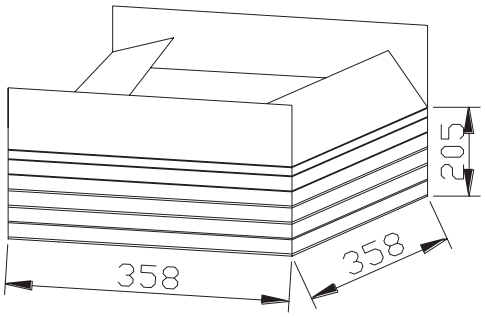
Reel Size: Ø330 mm
Reel QTY: 2,000 pcs per reel
Carton Size: 358 x 358 x 205 mm
Carton QTY: 10,000 pcs per carton



2000PCS/SPOOL



1ROLL CARRIER REEL/INNER BOX



10000PCS/CTN

REVISION HISTORY

rev.	description	date
1.0	initial release	08/07/2023

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

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

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