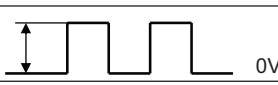



MODEL: CMT-8504-100-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER

FEATURES

- surface mount
- 100 dB
- magnetic
- externally driven


SPECIFICATIONS

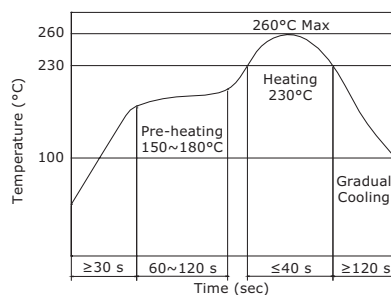
parameter	conditions/description	min	typ	max	units
rated voltage	Vo-p 		5.0		Vo-p
operating voltage		1.0		6.0	Vo-p
current consumption	at rated voltage, 4,000 Hz, ½ duty square wave			150	mA
rated frequency			4,000		Hz
sound pressure level	at 10 cm, rated voltage, 4,000 Hz, ½ duty square wave	100			dB
coil resistance		10	13	16	Ω
dimensions	8.5 x 8.5 x 4.0				mm
weight			0.6		g
material	LCP				
terminal	surface mount (brass)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
RoHS	yes				

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

SOLDERABILITY

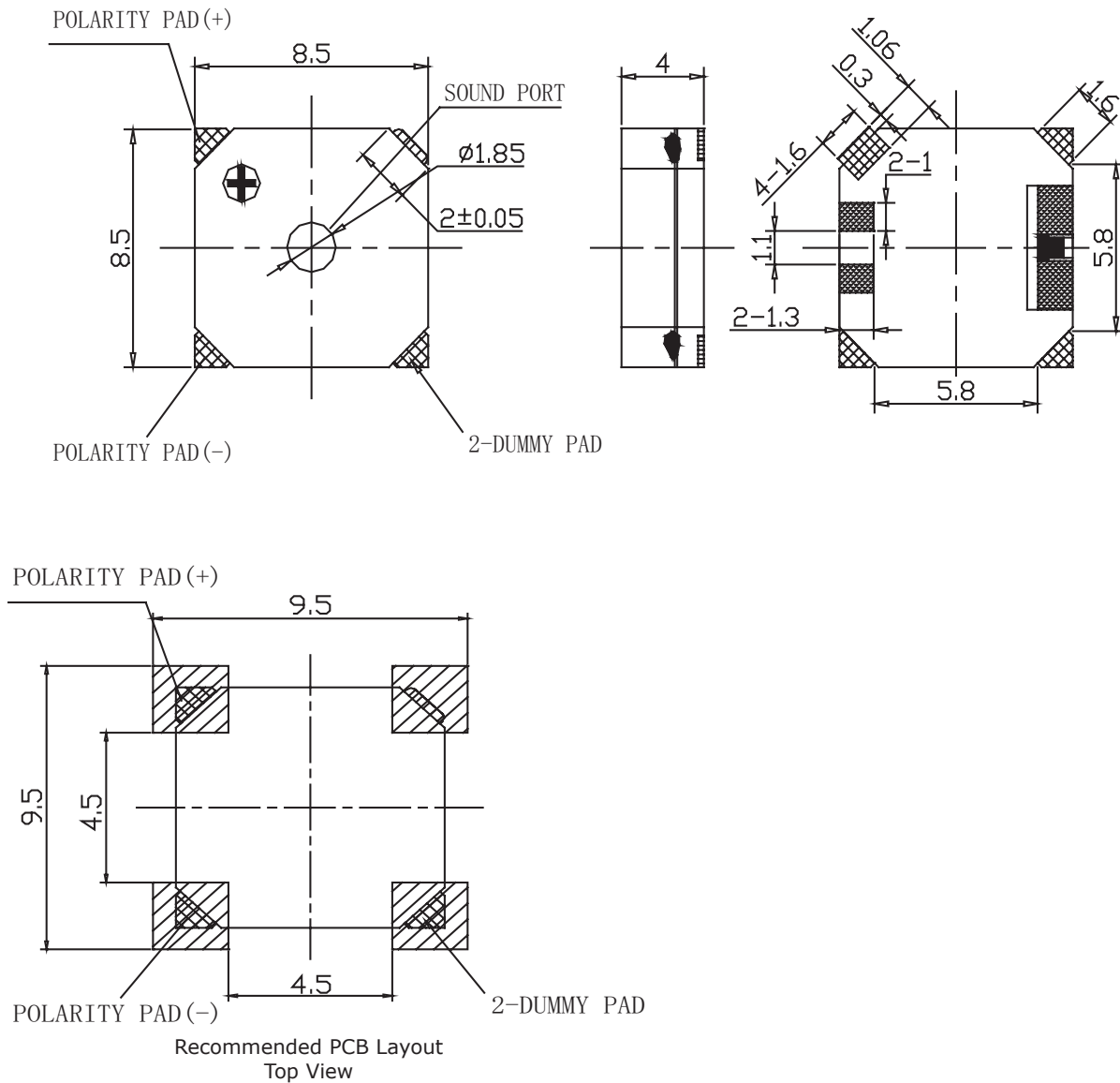
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <60%			25	°C
reflow soldering ²	see recommended reflow soldering profile			260	°C
drying conditions ³	bake at 40°C for 24 hours				

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.

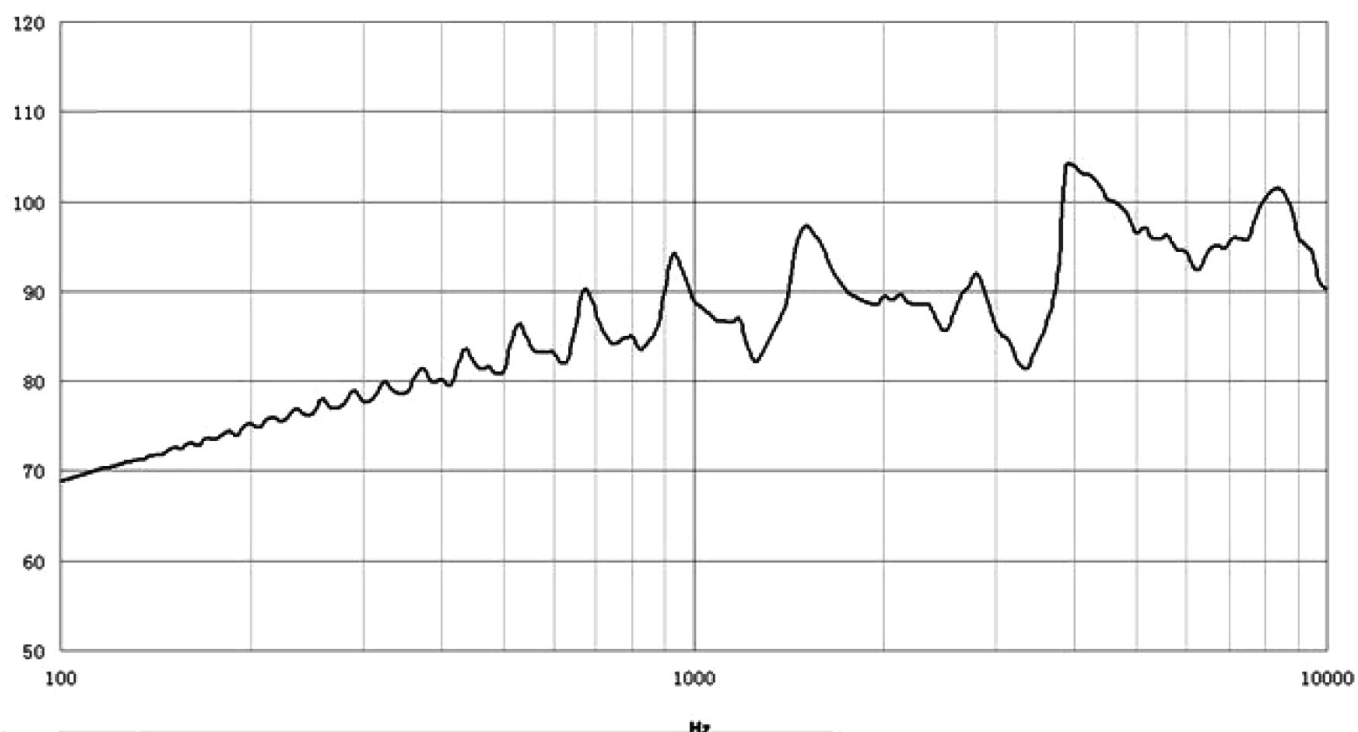


MECHANICAL DRAWING

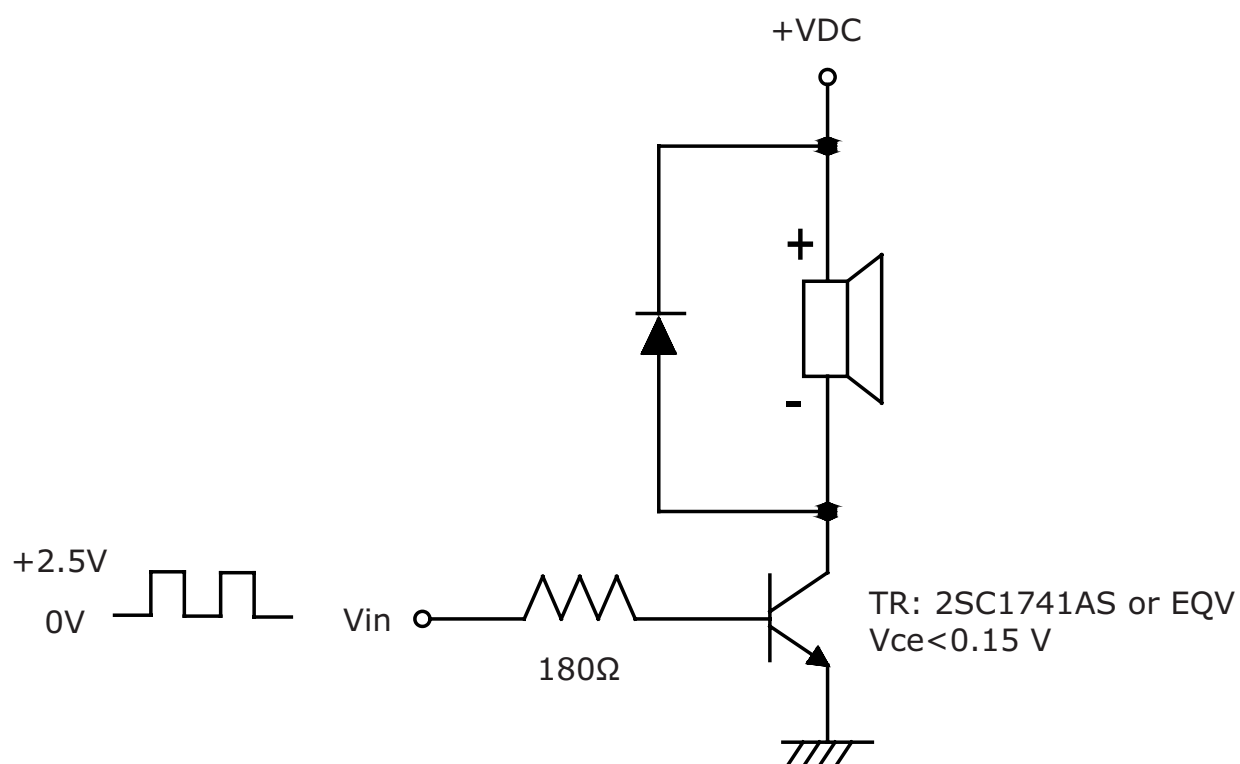
units: mm

tolerance: ± 0.5 mm

FREQUENCY RESPONSE CURVE



APPLICATION CIRCUIT



PACKAGING

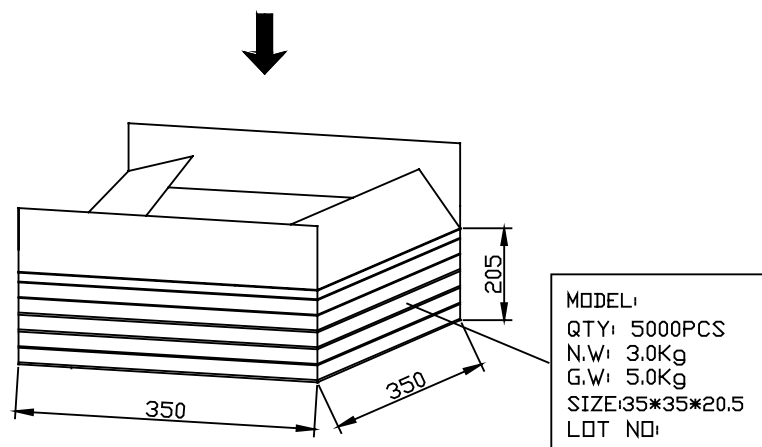
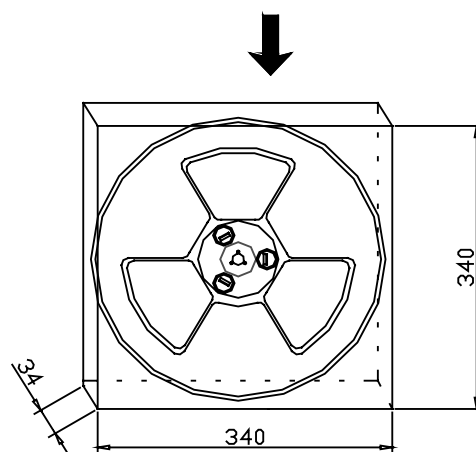
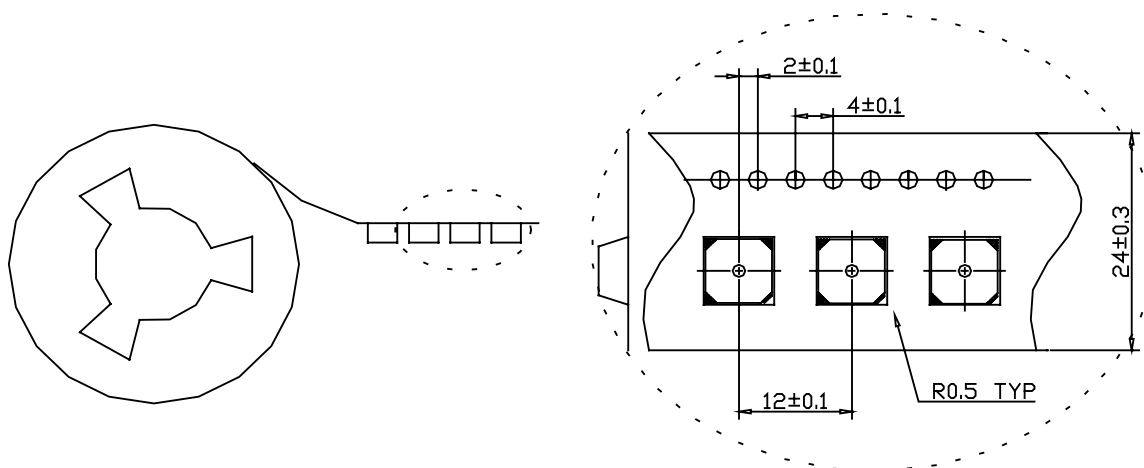
units: mm

Reel Size: Ø330 mm

Reel QTY: 1,000 pcs per reel

Carton Size: 350 x 350 x 205 mm

Carton QTY: 5,000 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	07/15/2019

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

**CUI INC[®]**

Headquarters
20050 SW 112th Ave.
Tualatin, OR 97062
800.275.4899

Fax 503.612.2383
cui.com
techsupport@cui.com

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

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