

**MODEL:** CMT-8503-36-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER**FEATURES**

- magnetic
- no driving circuit
- surface mount

**SPECIFICATIONS**

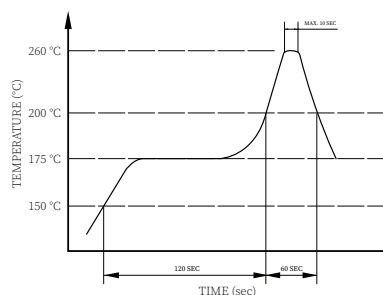
parameter	conditions/description	min	typ	max	units
rated voltage			3.6		Vo-p
operating voltage		2.5		4.5	Vo-p
current consumption	3 Vo-p, 2,700 Hz, ½ duty square wave			100	mA
rated frequency			2,700		Hz
sound pressure level	at 10 cm, 3 Vo-p, 2,700 Hz, ½ duty square wave	85			dB
coil resistance		13	16	19	Ω
dimensions	8.5 x 8.5 x 3.0				mm
weight		0.35	0.40	0.45	g
material	LCP (UL94V-0)				
terminal	surface mount (tin plating)				
operating temperature		-20		70	°C
storage temperature		-40		80	°C
washable	no				
RoHS	yes				

Notes: 1. All specifications measured at 25±5°C, humidity at 35-70%, under 86-106 kPa pressure, unless otherwise noted.

SOLDERABILITY

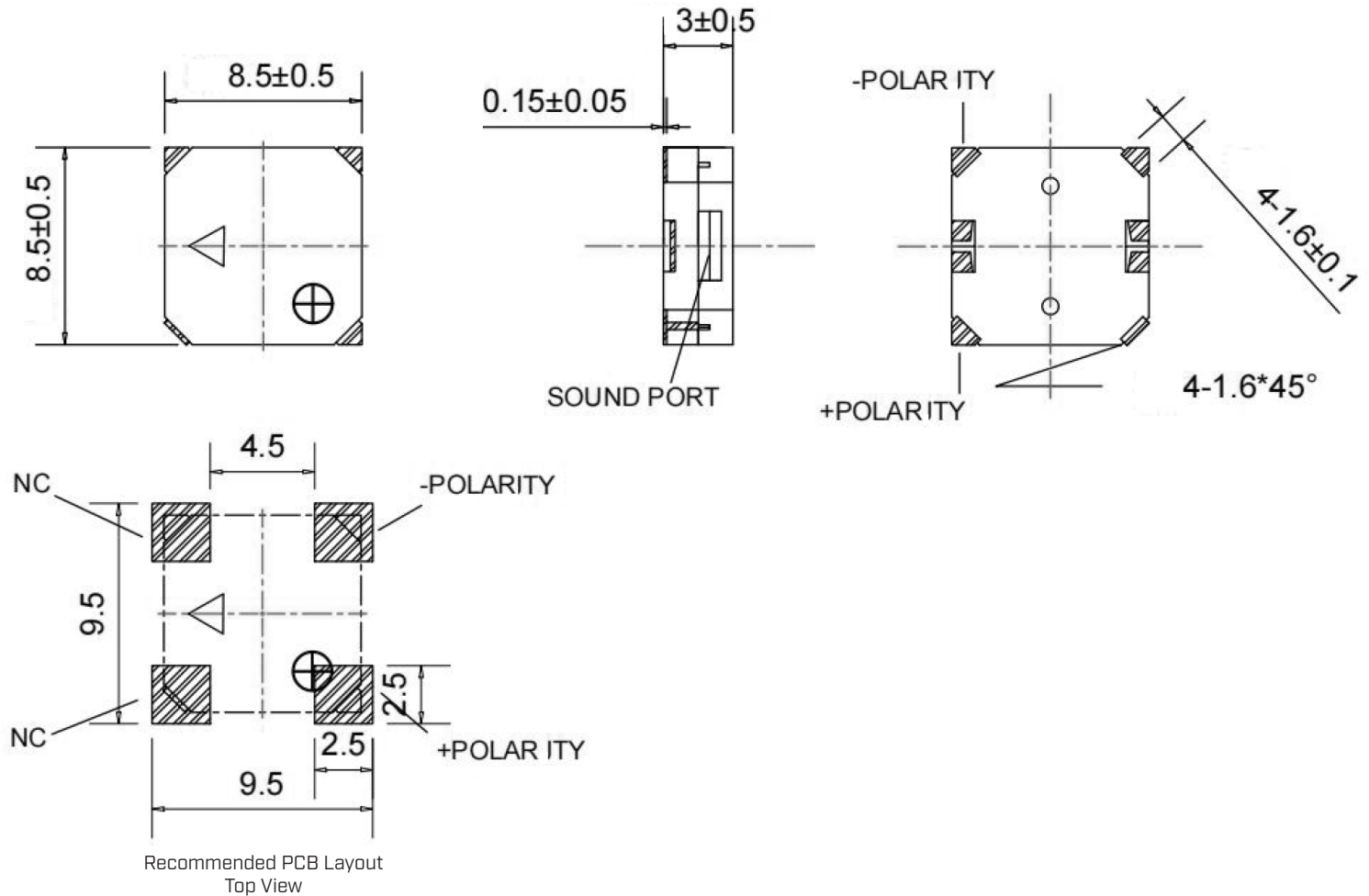
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <40%			25	°C
reflow soldering ²	see recommended reflow soldering profile		260		°C
drying conditions ³	bake at 40°C for 24 hours				

Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%. Not recommended to exceed 2 reflow cycles.
3. When out of packaging for more than 48 hours.

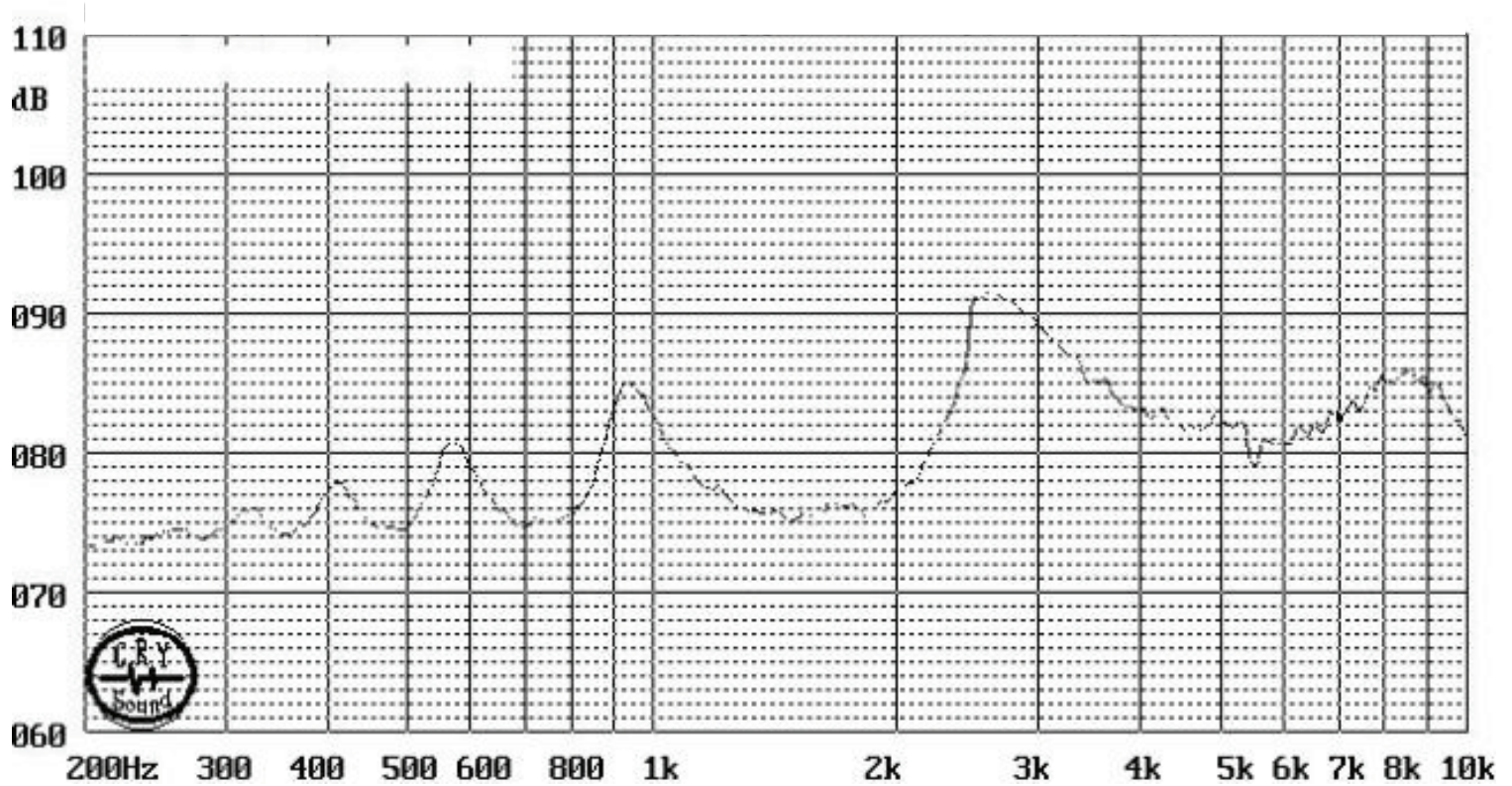


MECHANICAL DRAWING

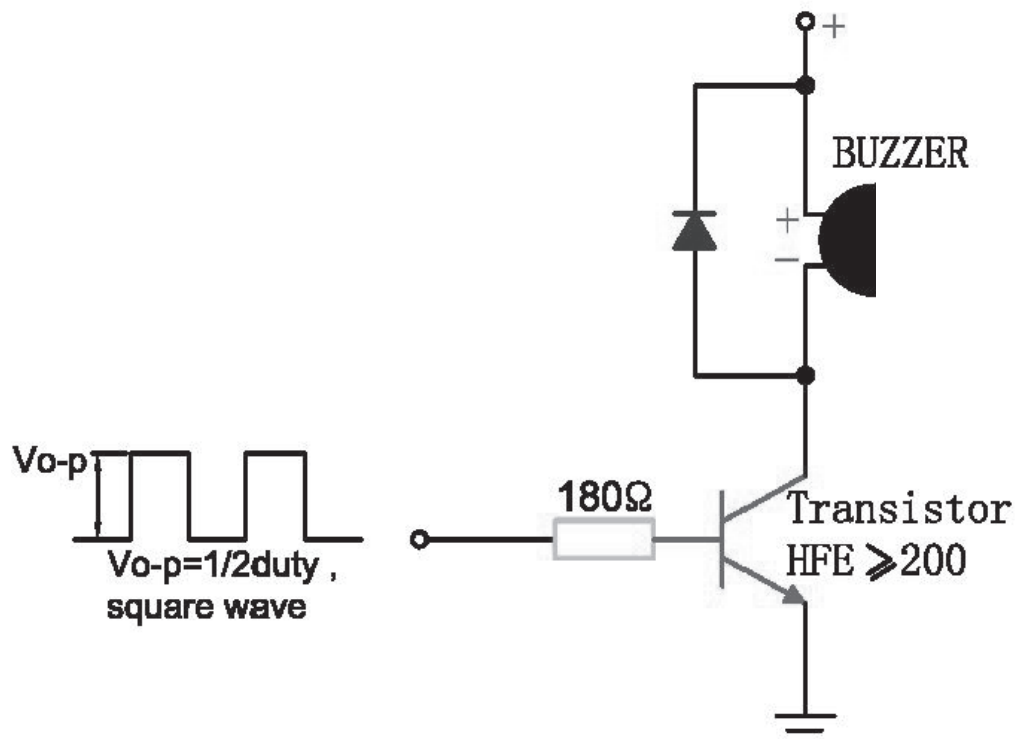
units: mm
tolerance: ± 0.5 mm



FREQUENCY RESPONSE CURVE



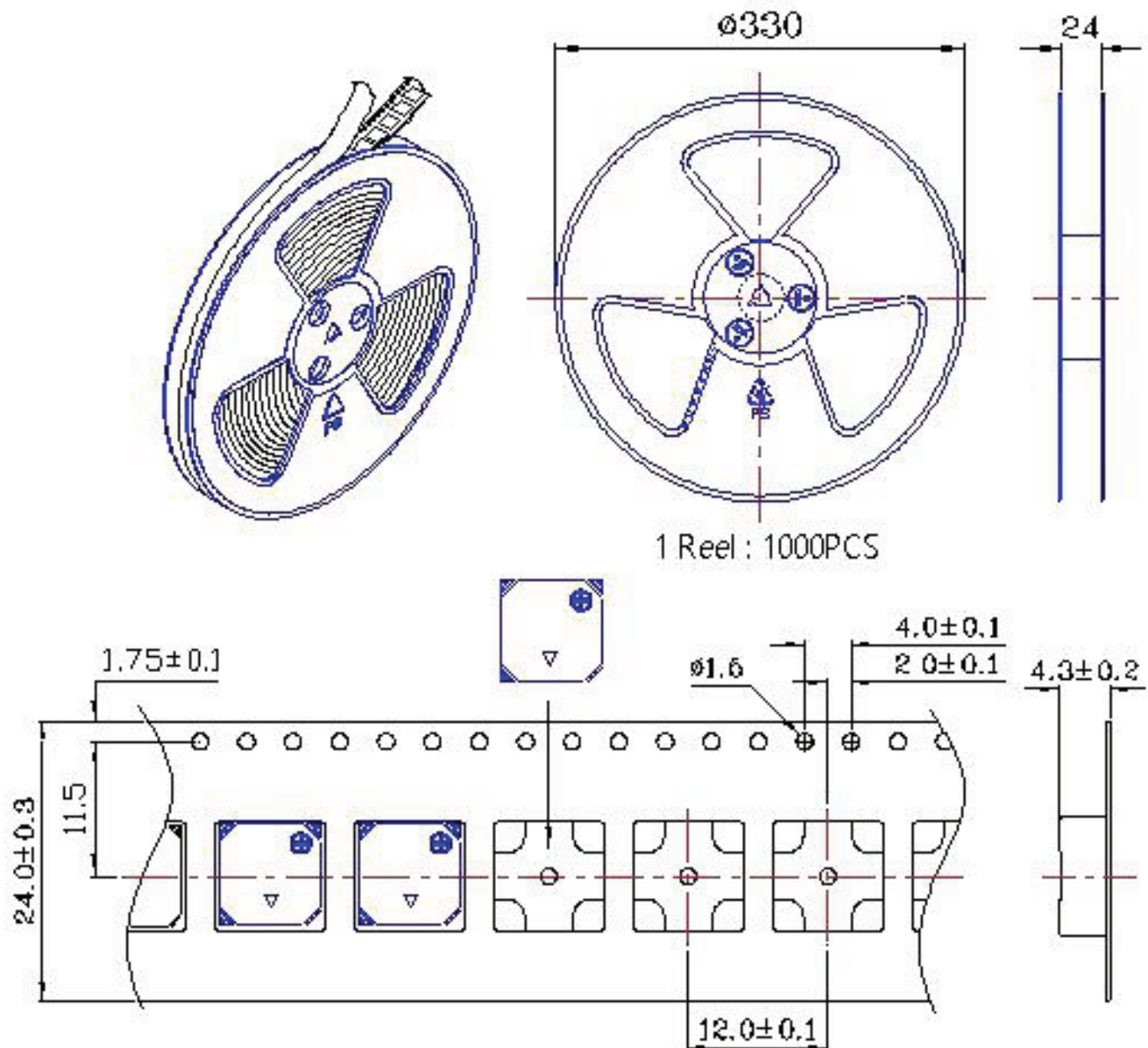
APPLICATION CIRCUIT



PACKAGING

units: mm

Reel Size: $\varnothing 330$ mm
Reel QTY: 1,000 pcs per reel
Carton Size: 370 x 350 x 350 mm
Carton QTY: 10,000 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	09/12/2024
1.01	updated drawing	05/16/2025
1.02	updated drawing	05/26/2026

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



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