

MODEL: CMT-7525-85-SMT-TR | DESCRIPTION: MAGNETIC BUZZER TRANSDUCER

FEATURES

- magnetic
- side sound port
- tape and reel





SPECIFICATIONS

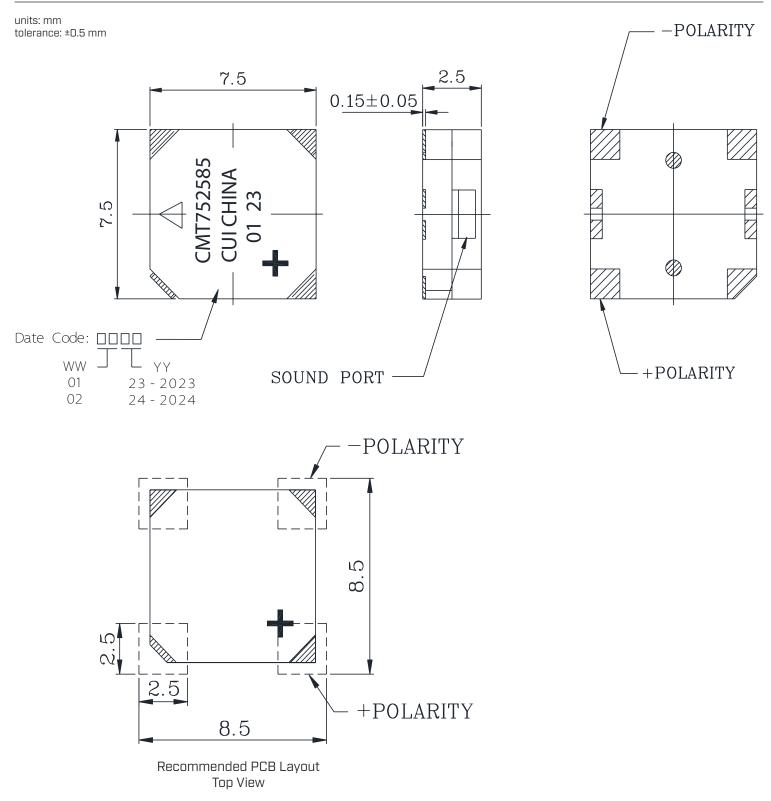
parameter	conditions/description	min	typ	max	units
rated voltage	Vo-p		3.6		Vo-p
operating voltage		2.5		4.5	Vo-p
current consumption	at rated voltage, 3,100 Hz, ½ duty square wave			100	mA
rated frequency			3,100		Hz
sound pressure level	at 5 cm, rated voltage, 3,100 Hz, ½ duty square wave	85	90		dBA
coil resistance		13	16	19	Ω
dimensions	7.5 x 7.5 x 2.5				mm
weight			0.3		g
material	LCP (black)				
terminal	surface mount (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.

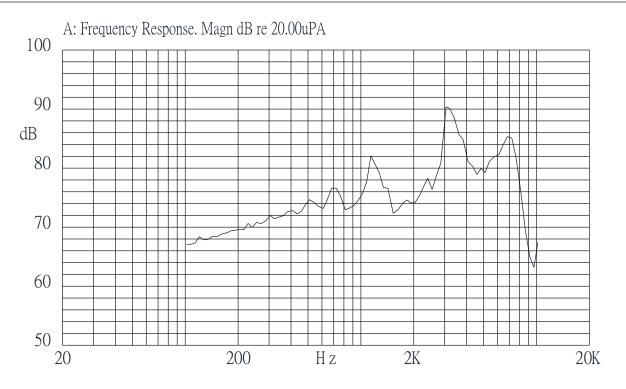
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MECHANICAL DRAWING

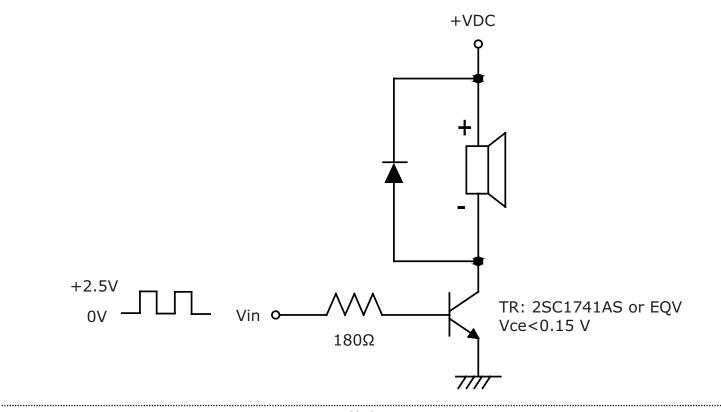
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FREQUENCY RESPONSE CURVE



APPLICATION CIRCUIT



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SOLDERABILITY

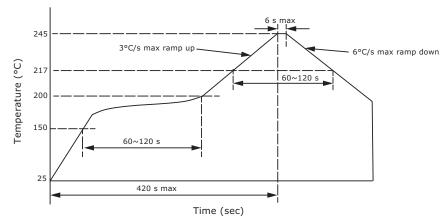
Note:

parameter	conditions/description	min	typ	max	units
reflow soldering ⁴	as per IPC/JEDEC J-STD-020C		240	245	°C
drying conditions⁵	bake at 40°C for 24 hours				

2. Not suitable for wash process.

It is recommended to reflow solder only once.
It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.

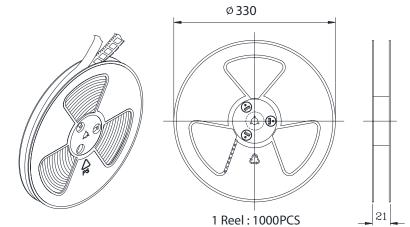
5. When out of packaging for more than 48 hours.

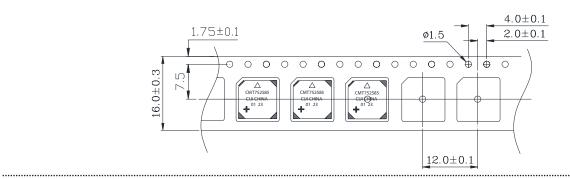


PACKAGING

parameter	conditions/description	min	typ	max	units
reel storage ⁶	at relative humidity 15~85%	-10		40	°C
MSL	Class 4				
reel QTY	1,000				
carton QTY	5,000				

6. Recommended floor life (out of sealed bag) at <30°C, 60%RH is 72 hours. Note:





REVISION HISTORY

rev.	description	date
1.0	initial release	12/19/2023

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.



CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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