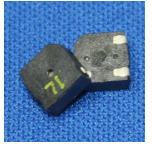


## CT05E-05S400-2

Former P/N: CEET050M020-12-204-40MR

Rev. 8-2023  
RoHS3 & REACH  
Electromagnetic Sound Transducers



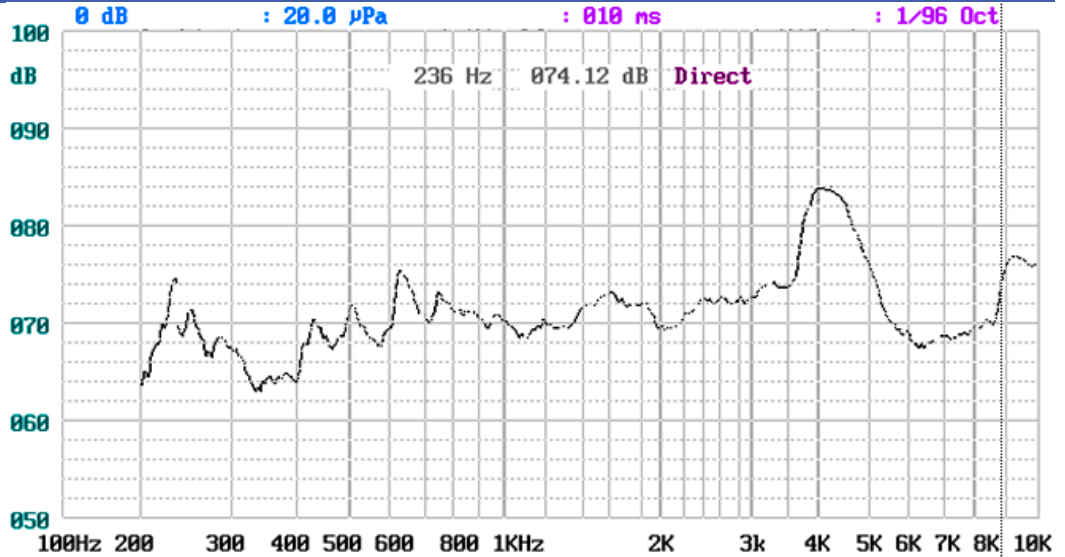
### Operating Characteristics

#### ELECTRICAL

Rated Voltage	3 Vo-p
Operating Voltage	2 to 5 Vo-p
Coil Resistance	12 ± 2 Ω
Max Current at V Rated	100 mA

#### ACOUSTIC

Min SPL at V Rated	80 dB
Test Conditions	10 cm
f <sub>o</sub>	4000 Hz



### Physical Characteristics

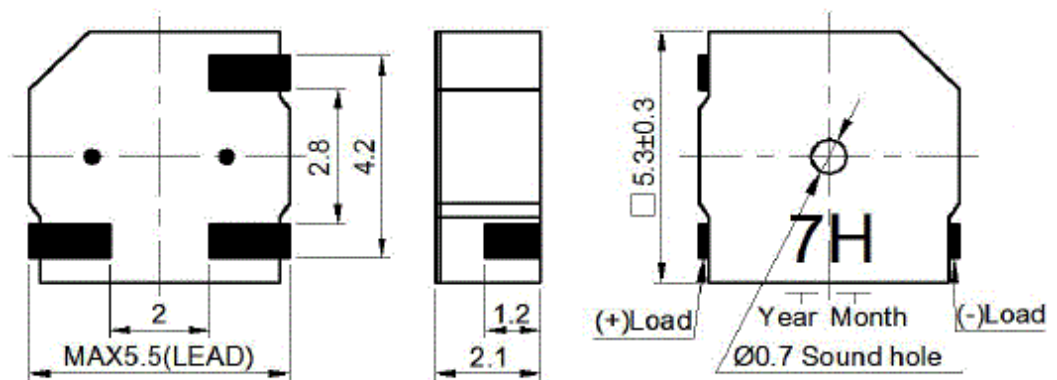
#### MATERIAL

Housing	LCP
Diaphragm	Ni Alloy
Solder Pad	Sn Plated Brass

#### TEMPERATURE RANGES

Operating	-40 to +105 °C
Storage	-40 to +120 °C

Weight 0.3 g



General tolerance = ±0.5 mm and all measurements in mm unless otherwise noted.

Revision	Description	By	Date
7-2023	Added part image.	SK	2023-05-08
8-2023	Corrected mechanical drawing, frequency response curve, Min SPL at V Rated from 75 to 80dB, Operating Temperature range from -40 to +85°C to -40 to +105°C, Storage Temperature range from -40 to +85°C to -40 to +120°C, and added footprint, profile, and packaging diagrams.	SK	2023-09-26

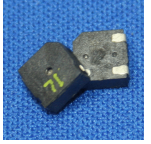
Warranty: For a period of one (1) year from date of shipping under normal operations conditions. This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair.

The information contained herein is believed to be correct, but no guarantee or warranty, express or implied, with respect to accuracy, completeness or results is extended and no liability is assumed. Challenge Electronics reserves the right to make changes in any specification, data or material contained herein.

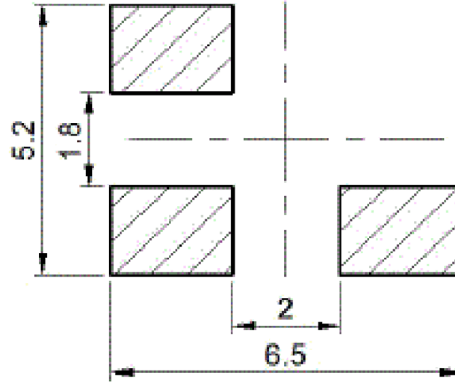
## CT05E-05S400-2

Former P/N: CEET050M020-12-204-40MR

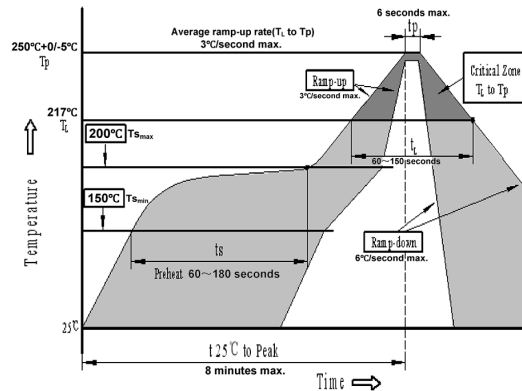
Rev. 8-2023  
RoHS3 & REACH  
Electromagnetic Sound Transducers



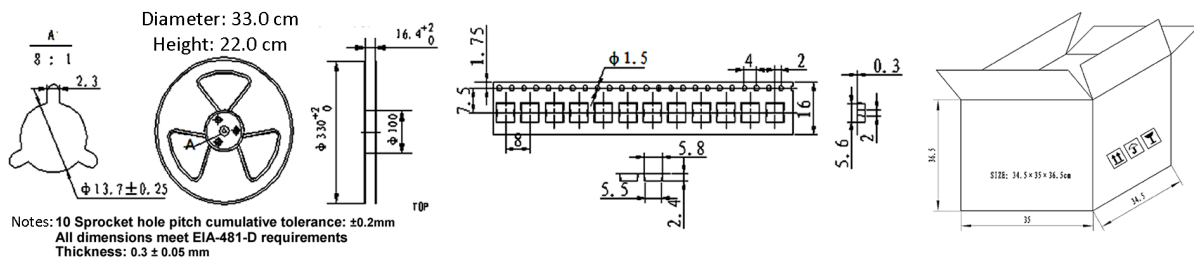
### Recommended Footprint



### Recommended Reflow Profile



### Tape & Reel Packaging



2,500 pieces per reel, 10 reels per box, 25,000 pieces total.

Revision	Description	By	Date
7-2023	Added part image.	SK	2023-05-08
8-2023	Corrected mechanical drawing, frequency response curve, Min SPL at V Rated from 75 to 80dB, Operating Temperature range from -40 to +85°C to -40 to +105°C, Storage Temperature range from -40 to +85°C to -40 to +120°C, and added footprint, profile, and packaging diagrams.	SK	2023-09-26

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