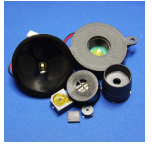


## CT08E-06S300-2

 Rev. 1-2021  
 RoHS3 & REACH  
 Electromagnetic Sound Transducers


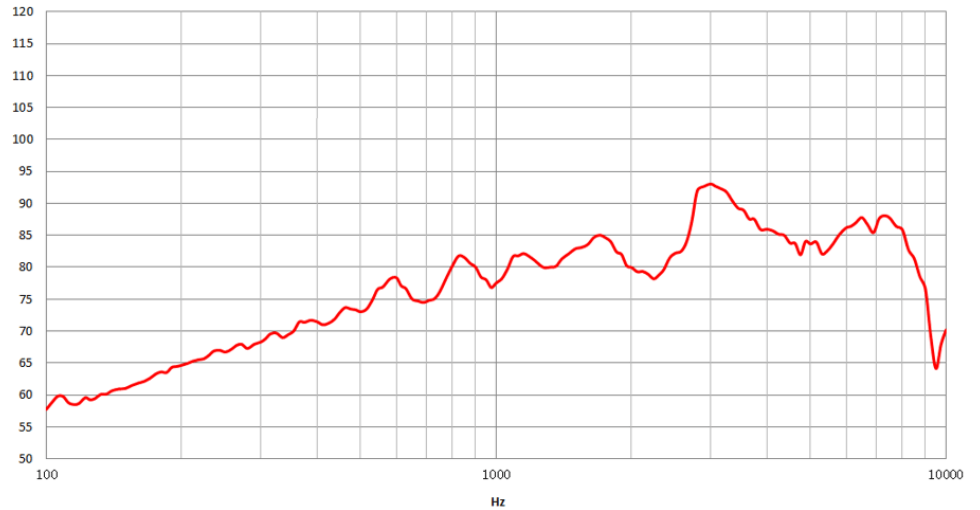
### Operating Characteristics

#### ELECTRICAL

Rated Voltage	5 Vo-p
Operating Voltage	3 to 6 Vo-p
Coil Resistance	16 ± 3 Ω
Max Current at V Rated	100 mA

#### ACOUSTIC

Min SPL at V Rated	88 dB
Test Conditions	10 cm
$f_0$	3000 Hz



### Physical Characteristics

#### MATERIAL

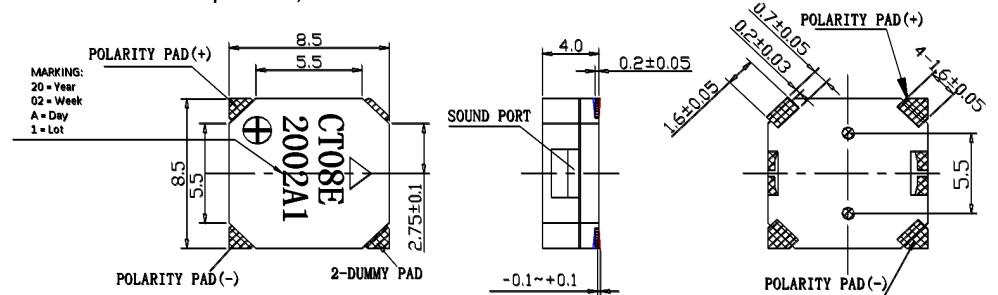
Housing	LCP
Diaphragm	Nickel Alloy
Magnet	NdFeB
Solder Pad	Brass

#### TEMPERATURE RANGES

Operating	-40 to +85 °C
Storage	-40 to +85 °C

Weight 0.6 g

Unless otherwise specified, tolerance: ± 0.5 mm



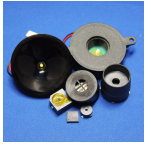
All Measurements are mm unless noted otherwise.

Revision	Description	By	Date
0-2021	Initial Specification Sheet	JL	2021-11-18
1-2021	Removed incorrect voice coil material callout	JL	2021-11-19

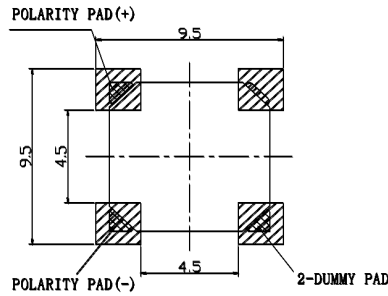
Warranty: For a period of one (1) year from date of shipping under normal operations conditions. This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair.

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.  
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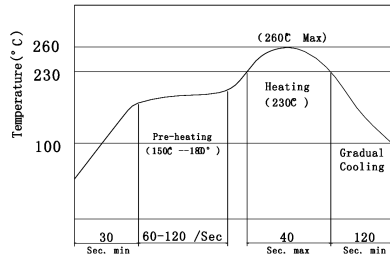
# CT08E-06S300-2

 Rev. 1-2021  
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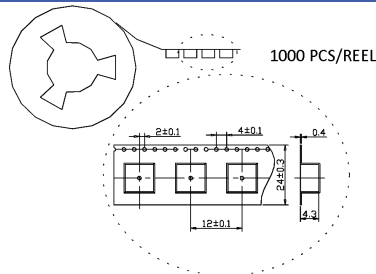
## Recommended Footprint



## Recommended Reflow Profile



## Tape & Reel Packaging



Revision	Description	By	Date
0-2021	Initial Specification Sheet	JL	2021-11-18
1-2021	Removed incorrect voice coil material callout	JL	2021-11-19

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