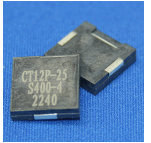


# CT12P-25S400-4

 Rev. 3-2023  
 RoHS3 & REACH  
 Piezoelectric Sound Transducers


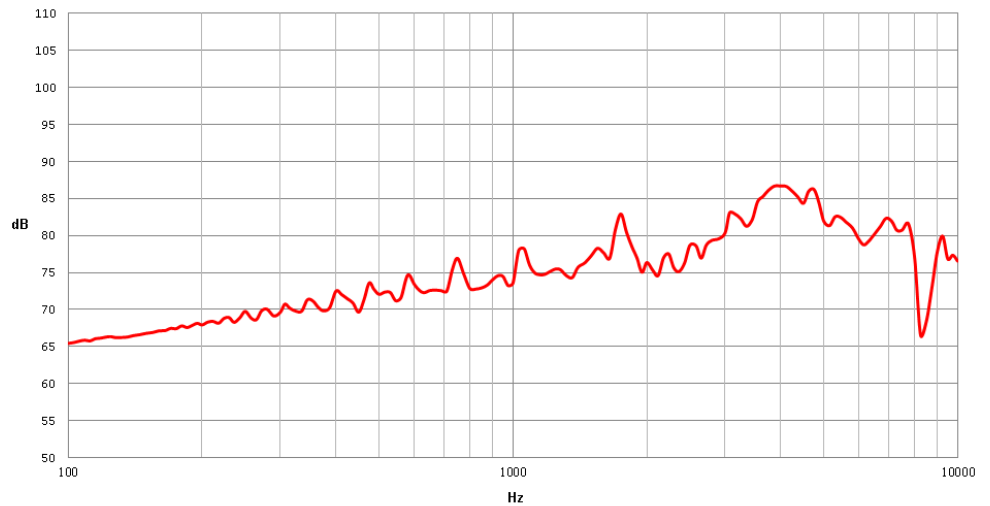
## Operating Characteristics

### ELECTRICAL

Rated Voltage	3 Vp-p
Max Operating Voltage	25 Vp-p
Max Current at V Rated	1 mA
Capacitance	15000 pF ± 30 % 120 Hz

### ACOUSTIC

Min SPL at V Rated	78 dB
Test Conditions	10 cm
$f_0$	4000 Hz



## Physical Characteristics

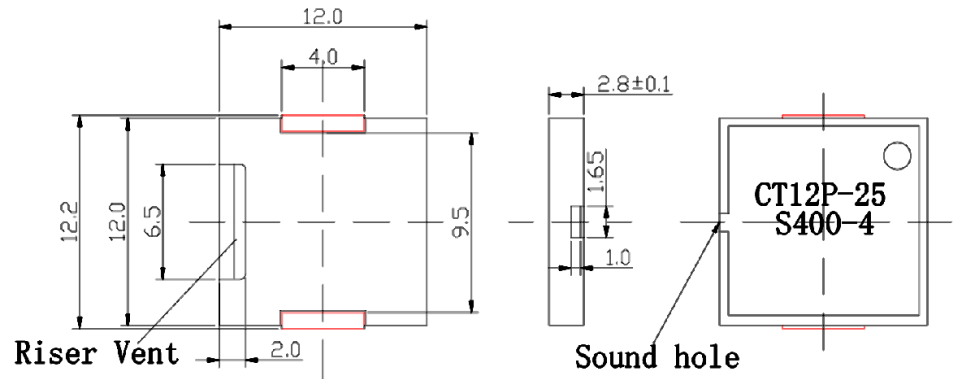
### MATERIALS

Housing	LCP
Diaphragm	Nickel
Solder Pads	Brass

### TEMPERATURE RANGES

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

Weight	0.4 g
--------	-------



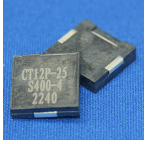
General tolerance = ±0.5 mm and all measurements in mm unless otherwise noted.

Revision	Description	By	Date
2-2023	Added reflow profile and packaging details.	AL	2023-03-23
3-2023	Added part image.	SK	2023-05-09

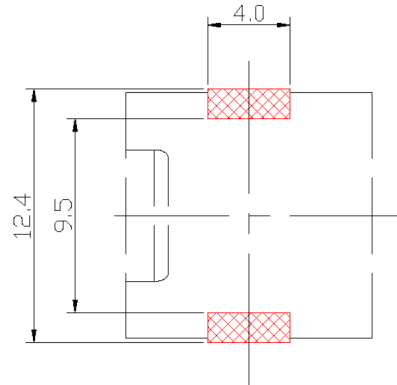
Warranty: For a period of one (1) year from date of shipping under normal operations conditions. This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair.

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.

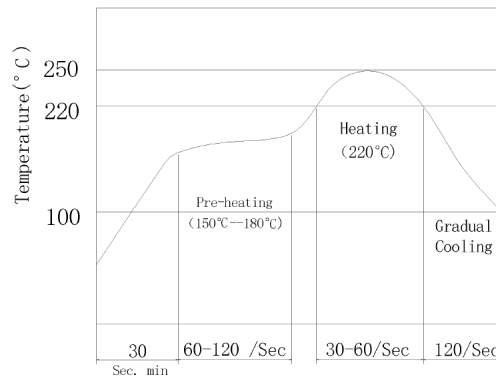
# CT12P-25S400-4

 Rev. 3-2023  
 RoHS3 & REACH  
 Piezoelectric Sound Transducers


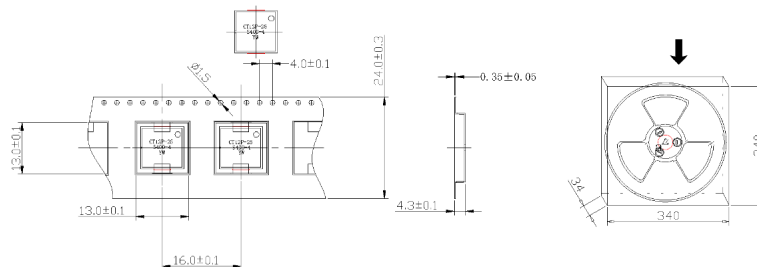
## Recommended Footprint



## Recommended Reflow Profile



## Tape & Reel Packaging



1000 pieces per reel, 10 reels per carton, 10,000 pieces per carton

Revision	Description	By	Date
2-2023	Added reflow profile and packaging details.	AL	2023-03-23
3-2023	Added part image.	SK	2023-05-09

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.