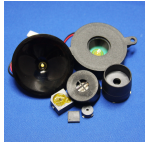


CT12P-30S200-1

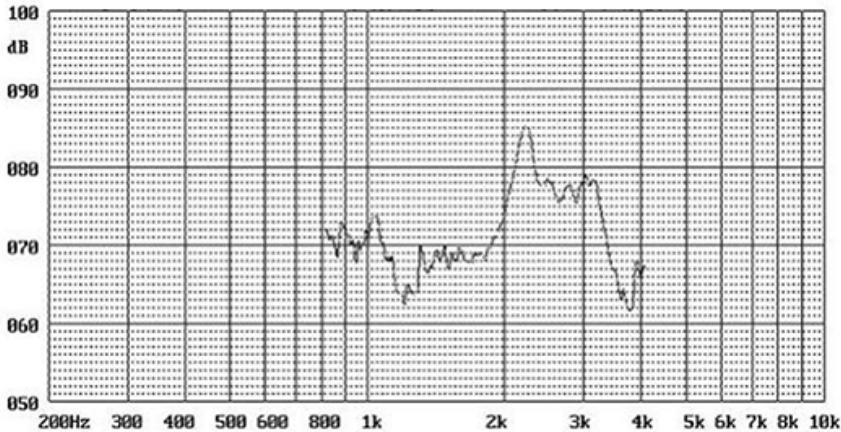
Rev. 1-2025
RoHS3 & REACH
Piezoelectric Sound Transducers



Operating Characteristics

ELECTRICAL	
Rated Voltage	3 Vp-p
Max Operating Voltage	30 Vp-p
Max Current at V Rated	3 mA
Capacitance	16,000 pF $\pm$ 30 % 1,000 Hz

ACOUSTIC	
Min SPL at V Rated	70 dB
Test Conditions	10 cm
f ₀	2,000 Hz

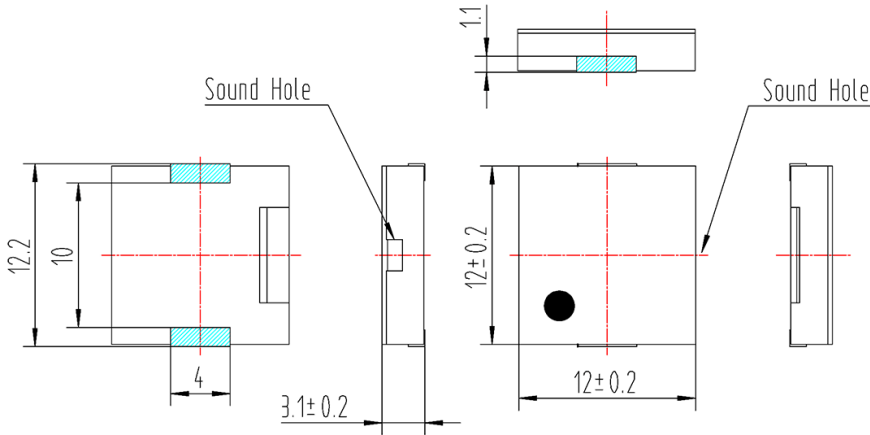


Physical Characteristics

MATERIALS	
Housing	LCP
Diaphragm	Nickel Alloy
Solder Pads	Tin Plated Brass

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

Weight	0.5 g
--------	-------



General tolerance = ± 0.3 mm and all measurements in mm unless otherwise noted.

Revision	Description	By	Date
0-2025	Original Specification	KG	2025-06-06
1-2025	Updated frequency response curve and reflow soldering profile.	KG	2025-08-07

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.

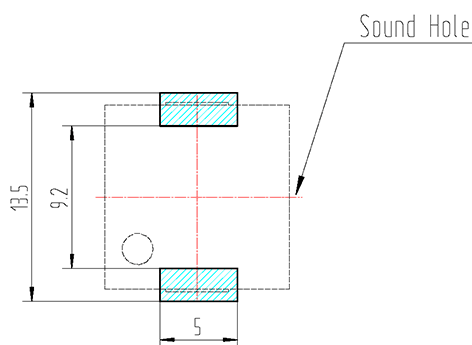
The information contained herein is believed to be correct, but no guarantee or warranty, express or implied, with respect to accuracy, completeness or results is extended and no liability is assumed. Challenge Electronics reserves the right to make changes in any specification, data or material contained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

CT12P-30S200-1

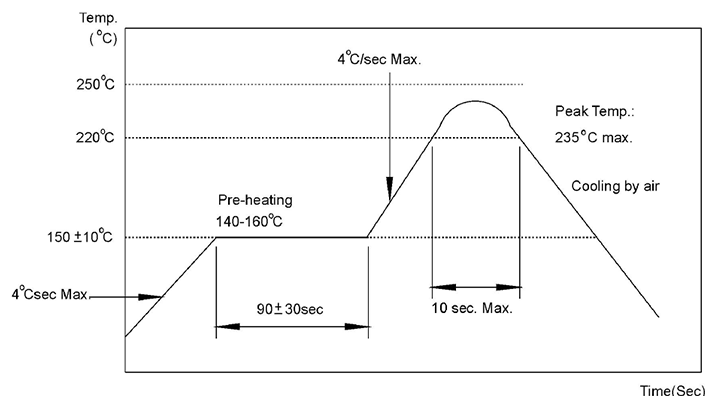
Rev. 1-2025
RoHS3 & REACH
Piezoelectric Sound Transducers



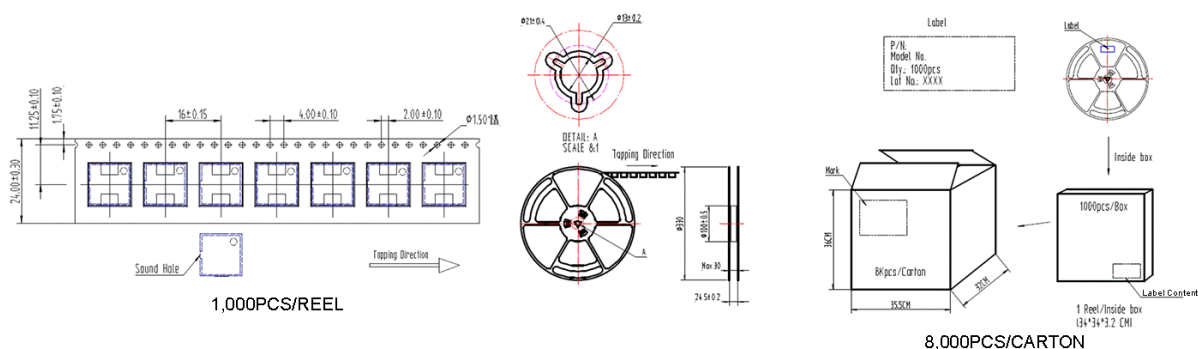
Recommended Footprint



Recommended Reflow Profile



Tape & Reel Packaging



Revision	Description	By	Date
0-2025	Original Specification	KG	2025-06-06
1-2025	Updated frequency response curve and reflow soldering profile.	KG	2025-08-07

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.