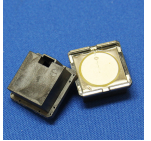


CT18P-18S200-1

Rev. 3-2026
RoHS3 & REACH
Piezoelectric Sound Transducers


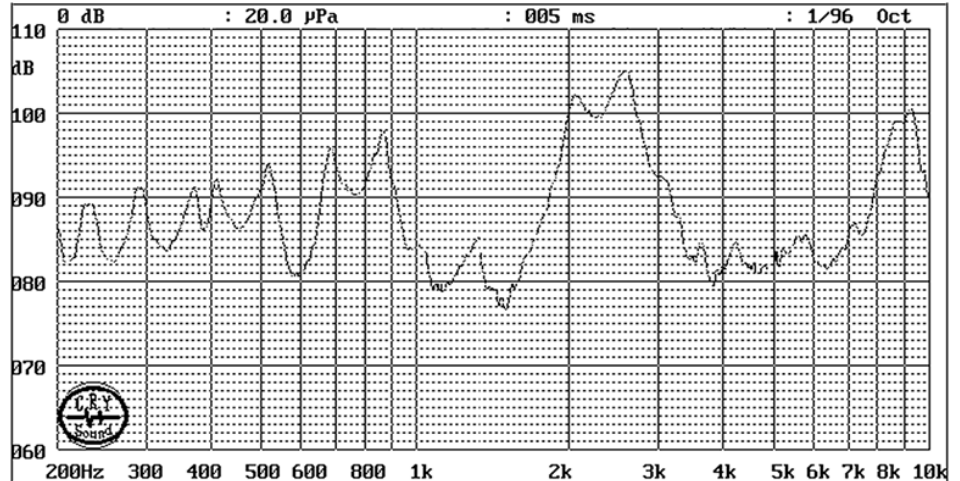
Operating Characteristics

ELECTRICAL

Rated Voltage	12 Vp-p
Max Operating Voltage	18 Vp-p
Max Current at V Rated	5 mA
Capacitance	25000 pF \pm 30 % 100 Hz

ACOUSTIC

Typ SPL at V Rated	100 dB
Min SPL at V Rated	90 dB
Test Conditions	10 cm
f_0	2,000 Hz



Physical Characteristics

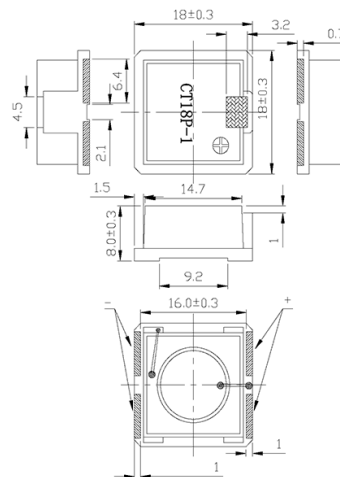
MATERIALS

Housing	Black PPS
Diaphragm	Nickel Alloy
Solder Pad	Tin Plated Brass

TEMPERATURE RANGES

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

Weight 1 g

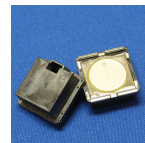

General tolerance = ± 0.2 mm and all measurements in mm unless otherwise noted.

Revision	Description	By	Date
2-2022	Updated mechanical drawing and footprint dimensions.	CT	2022-12-05
3-2026	Updated the weight from 3g to 1g.	KG	2026-01-14

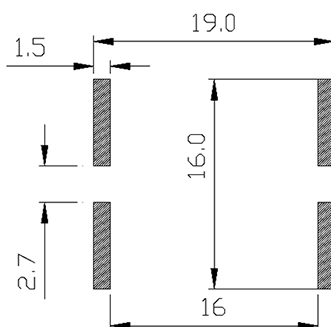
Warranty: For a period of one (1) year from date of shipping under normal operations conditions. This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair.

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.

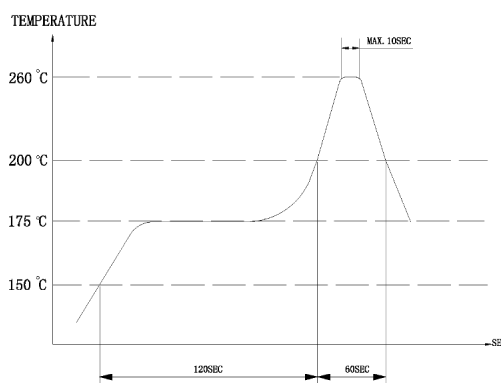
CT18P-18S200-1

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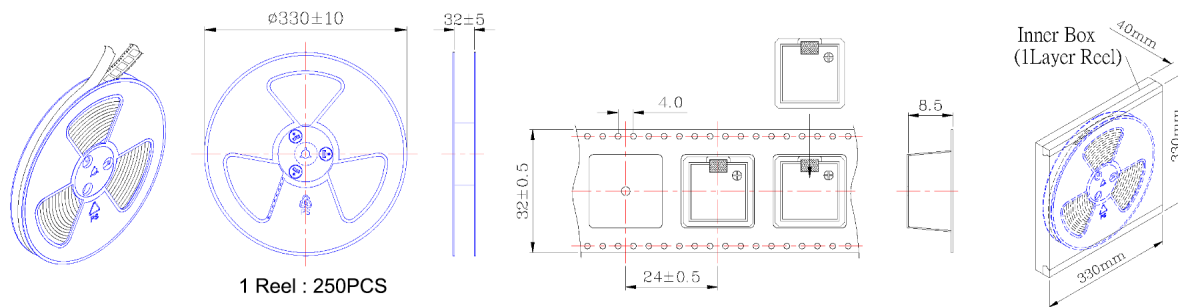
Recommended Footprint



Recommended Reflow Profile



Tape & Reel Packaging



Inner Box	1x250=250PCS
Carton Box	8x250=2000PCS

Revision	Description	By	Date
2-2022	Updated mechanical drawing and footprint dimensions.	CT	2022-12-05
3-2026	Updated the weight from 3g to 1g.	KG	2026-01-14

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.

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