Tel: 1-800-722-8197
1-631-595-2217
Fax: 1-631-667-5484

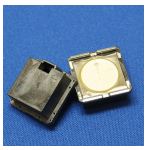
EMAIL: sales@challelec.com
WEB: www.challengeelectronics.com
ISO 9001/14001:2015 Certified

CHALLENGE ELECTRONICS

INDICATORS • SPEAKERS • SOUND TRANSDUCERS • ENCLOSURES • MICROPHONES • BATTERY ACCESSORIES

CT18P-18S200-1

Rev. 2-2022
RoHS3 & REACH
Piezoelectric Sound Transducers



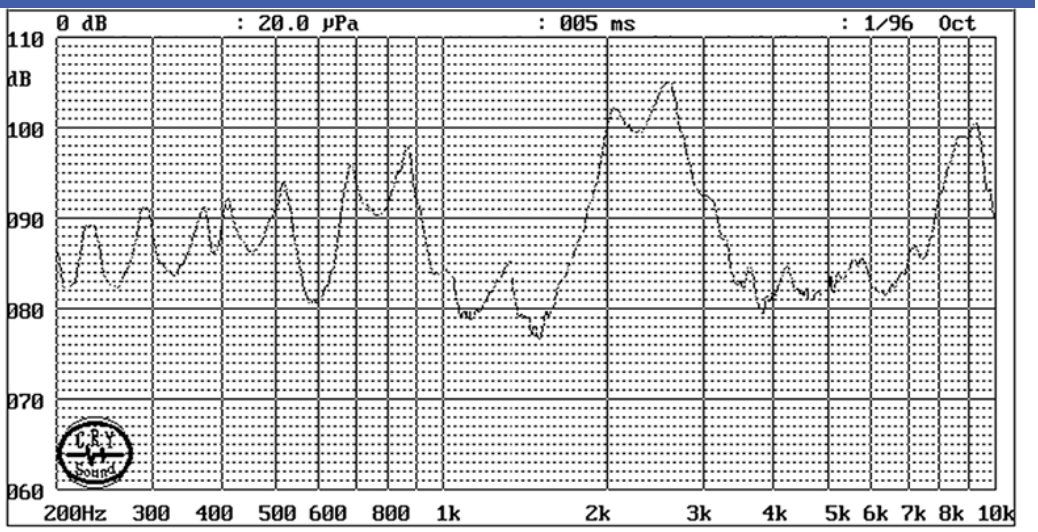
Operating Characteristics

ELECTRICAL

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

ACOUSTIC

Typ SPL at V Rated	100 dB
Min SPL at V Rated	90 dB
Test Conditions	10 cm
f_o	2000 Hz



Physical Characteristics

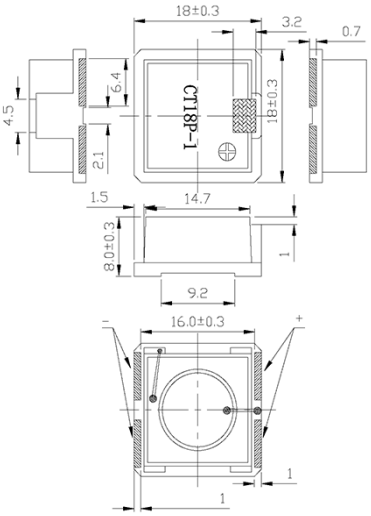
MATERIALS

Housing	Black PPS
Diaphragm	Nickel Alloy
Solder Pad	Tin Plated Brass

TEMPERATURE RANGES

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

Weight	3 g



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

Revision	Description	By	Date
1-2022	Updated frequency response curve. Updated packaging diagram and photo.	CT	2022-09-16
2-2022	Updated mechanical drawing and footprint dimensions.	CT	2022-12-05

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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