

## CT31P-30W520-1

Rev. 0-2021  
RoHS3 & REACH  
Piezoelectric Sound Transducers



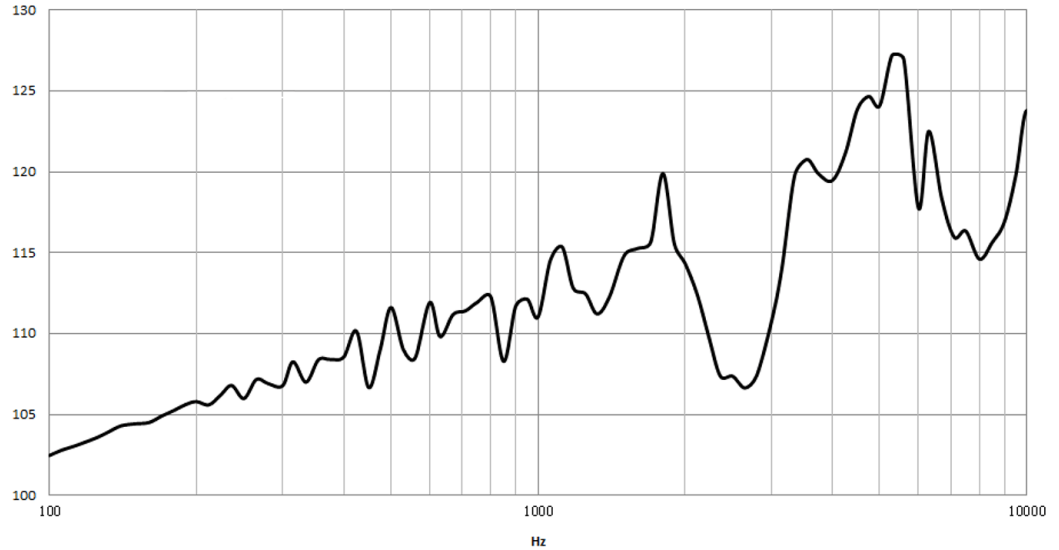
### Operating Characteristics

#### ELECTRICAL

Rated Voltage	18 Vp-p
Max Operating Voltage	30 Vp-p
Max Current at V Rated	10 mA
Capacitance	160000 pF ± 30 % 120 Hz

#### ACOUSTIC

Min SPL at V Rated	120 dB
Test Conditions	10 cm
$f_0$	5200 Hz



### Physical Characteristics

#### MATERIALS

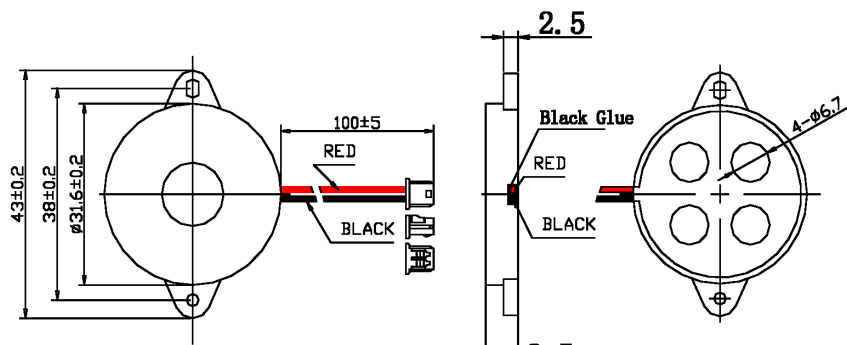
Housing	ABS
Diaphragm	Brass
Wire	UL1571, 28 AWG
Connector	Molex: 51021-0200 or eq.

#### TEMPERATURE RANGES

Operating	-20 to +60 °C
Storage	-30 to +70 °C

Weight 5 g

Unless otherwise specified, tolerance: ±0.5(unit:mm)



All measurements in mm unless otherwise noted.

Revision	Description	By	Date
0-2021	Original Specification	CT	2021-04-09

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.