

CT18U-500T2000-D1X

Rev. 0-2024
RoHS3 & REACH
IP67

Ultrasonic Sound Transducers



Operating Characteristics

ELECTRICAL

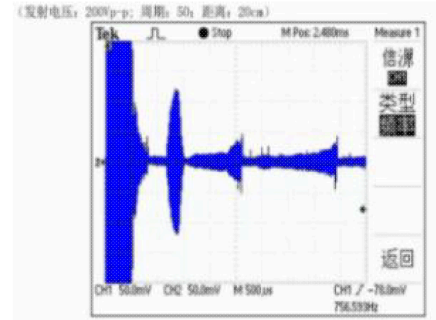
Operating Mode	Transmitter / Receiver
Max Operating Voltage	500 Vp-p
Capacitance	600 pF ± 30 % 1000 Hz

ACOUSTIC

f_0	200,000 ± 15,000 Hz
Beam Angle	9 ± 2° (-6 dB)
Detectable Range	0 to 500 cm
Ring Time	≤580 us
Test Conditions	200 Vpp, 200,000 Hz
Echo	≥1.8 V
Test Conditions	Test Plate 100×100 mm PVC, 10 cm



Frequency(kHz)



Sensitivity

Physical Characteristics

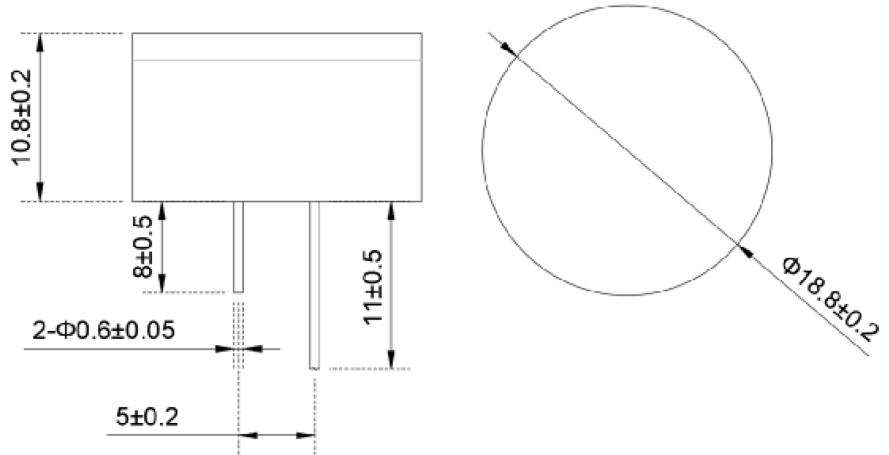
MATERIAL

Housing	Aluminum
PC Pin	Brass, Tin Plated

TEMPERATURE RANGES

Operating	-40 to +80°C
Storage	-40 to +85°C

Weight	24 g
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General tolerance = ±0.2 mm and all measurements in mm unless otherwise noted.

Revision	Description	By	Date
0-2024	Original Specification	JL	2024-09-23

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.

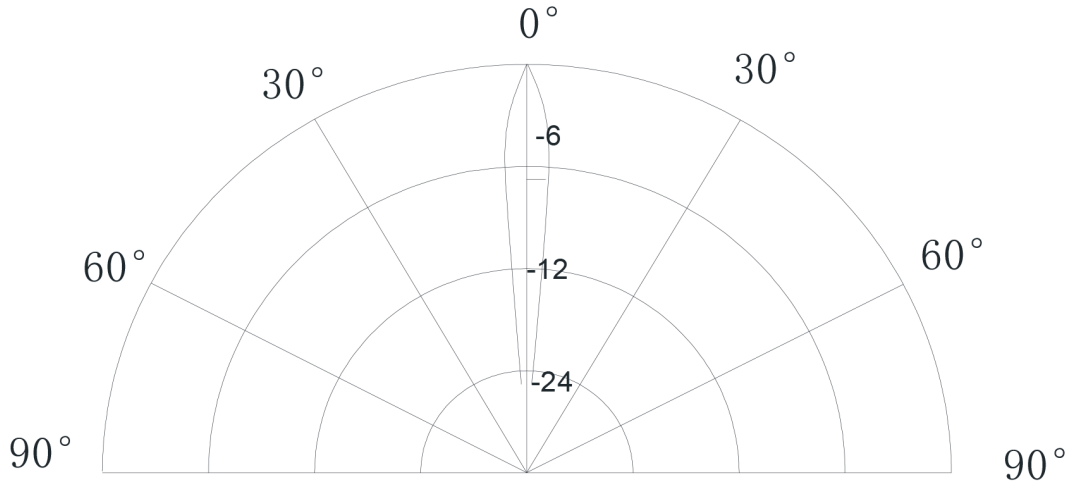
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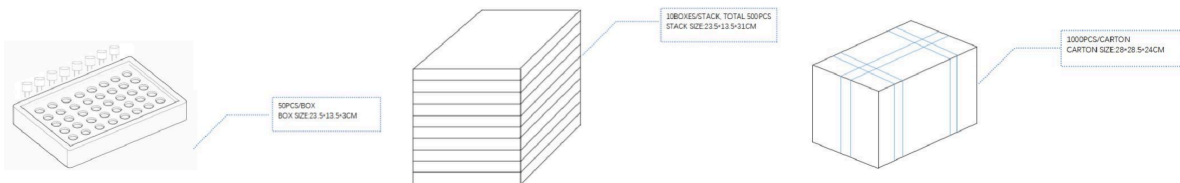
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Beam Directivity



Packaging



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