

CT10U-400T3000-D1X

Rev. 1-2024
RoHS3 & REACH
IP67

Ultrasonic Sound Transducers



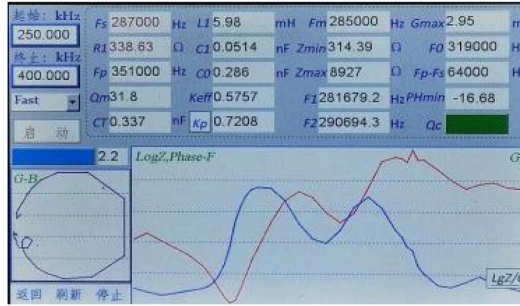
Operating Characteristics

ELECTRICAL

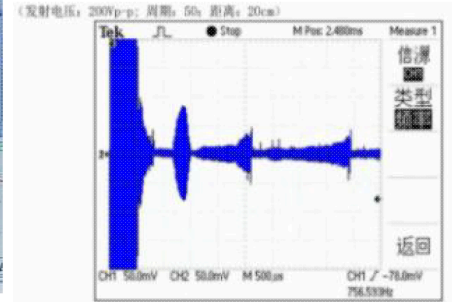
Operating Mode	Transmitter / Receiver
Max Operating Voltage	400 Vp-p
Capacitance	400 pF ± 30 % 1,000 Hz

ACOUSTIC

f_0	300,000 ± 15,000 Hz
Beam Angle	7 ± 2° (-6 dB)
Detectable Range	0 to 80 cm
Ring Time	≤290 us
Test Conditions	200 Vpp, 300,000 Hz
Echo	≥200 mV
Test Conditions	Test Plate 100x100mm PVC, 20 cm



Frequency(kHz)



Sensitivity

Physical Characteristics

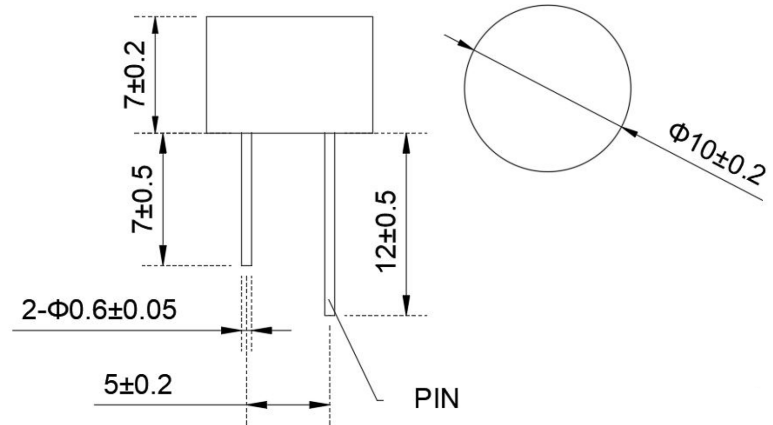
MATERIAL

Housing	Aluminum
PC Pin	Brass, Tin Plated

TEMPERATURE RANGES

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

Weight	8 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	2024-09-18
1-2024	Updated mechanical drawing where length of left pin was modified from 8±2mm to 7±0.5mm and the right pin was modified from 11±2mm to 12±0.5mm. The diameter and length between both pins changed in tolerance from 0.5mm to 0.2mm. Pin width tolerance changed from 0.2mm to 0.05mm.	KG	2024-10-14

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.

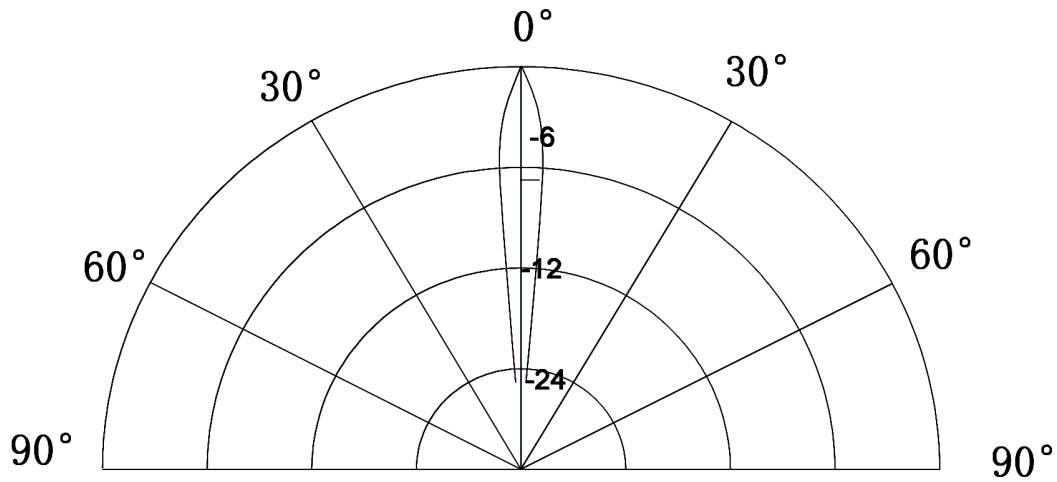
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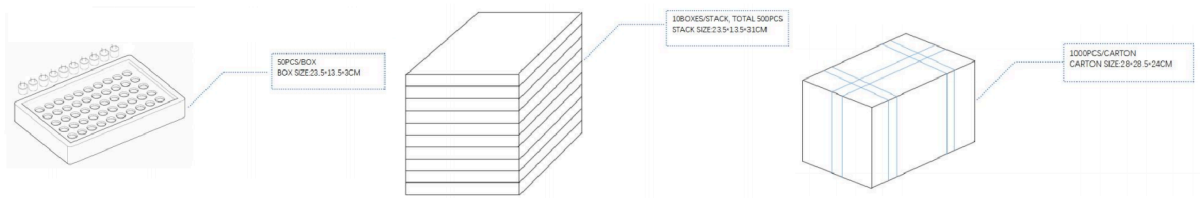
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Beam Directivity



Packaging



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