



Applications:

This specification covers The Ultrasonic Transducer is employed in air which is polluted by particles of grease, water and dust.

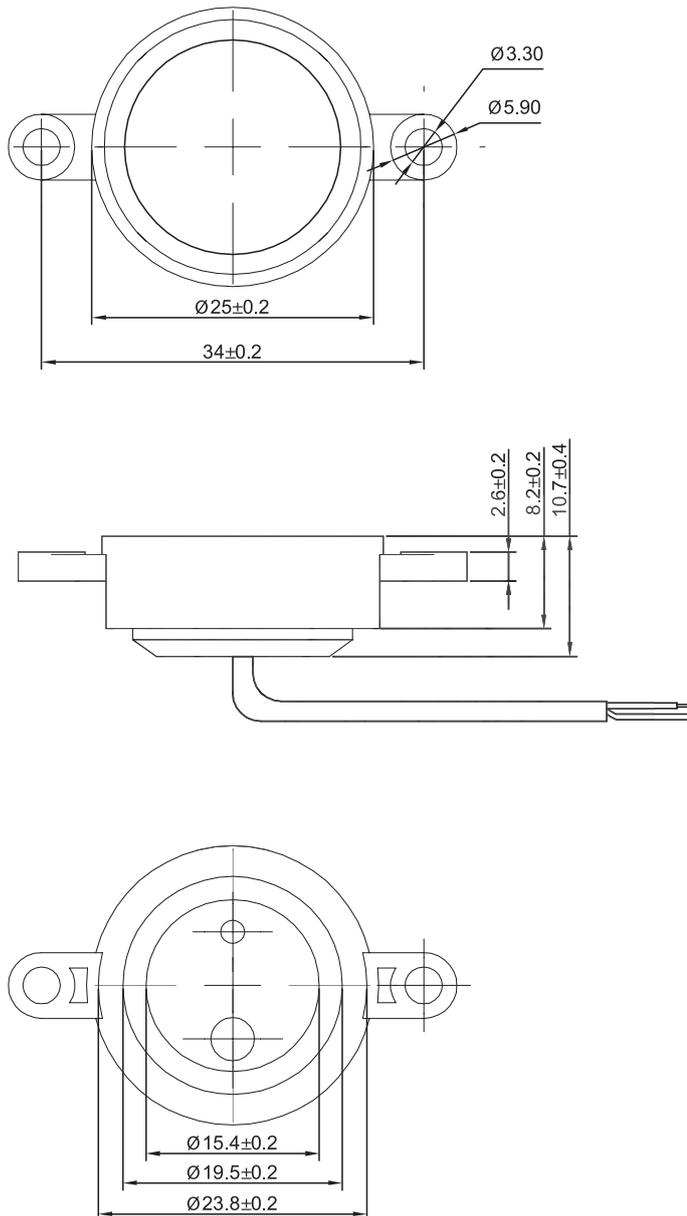
Features:

- Water proof and dual use
- Compact and light weight
- High sensitivity and High reliability
- Less power consumption

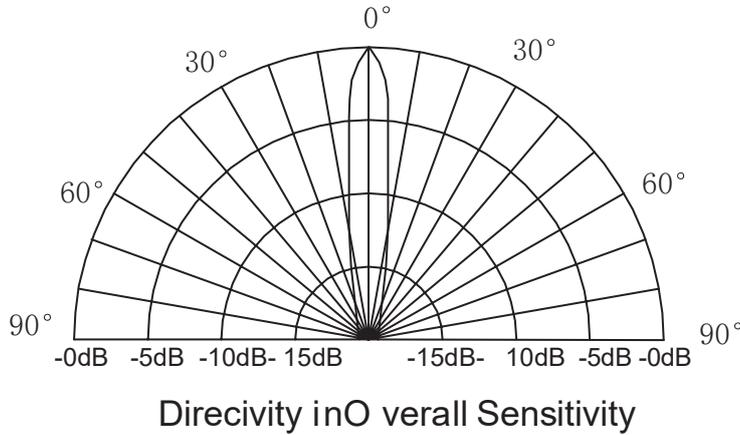
Technical Terms:

| No | Item | Specification |
|----|-------------------------------|--|
| 1 | Part Number | MCUSD25P200B10.7RS-30C |
| 2 | Construction | Water Proof |
| 3 | Using Method | Dual Use |
| 4 | Centre Frequency | 200 ± 8kKz |
| 5 | Receive Sensitivity Echo (mv) | ≥ 120 (for better watching, signal is amplified 10 times. The perk to perk amplitude is more than or equal to 1.2V) |
| 6 | Beam Width (-3dB full angle) | ≤14 |
| 7 | Capacitance (pF) | 900 ± 25% at 1kHz |
| 8 | Operating Temperature Range | -20°C to 85°C |
| 10 | Storage Temperature Range | -30°C to 85°C |

Drawing:

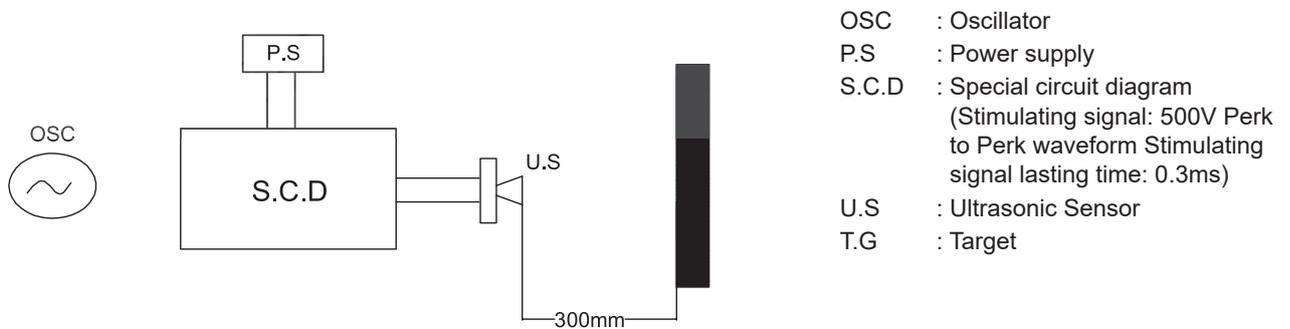


Dimensions : Millimetres



Test Circuit:

Echo&Rest.Resonant Time test circuit



Part Number Table

| Description | Part Number |
|------------------------------------|------------------------|
| Transceiver, 200kHz, 25mm, Plastic | MCUSD25P200B10.7RS-30C |

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