

MCUSD14A40S09RS-30C



Applications:

This specification covers the water proof type ultrasonic ceramic transducer which are used for ultrasonic ranging and parking sensor of automobile.

Features:

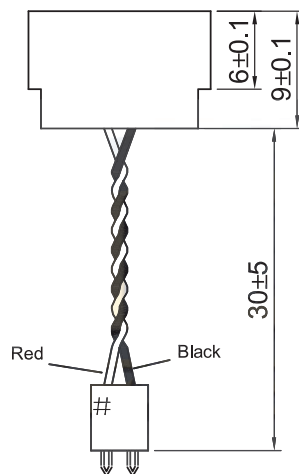
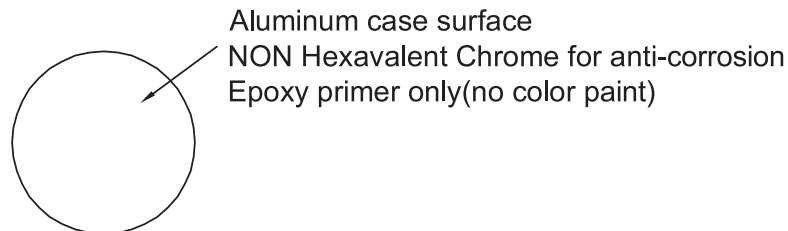
- Open structure and dual use
- Compact and light weight
- High sensitivity and sound pressure
- Less power consumption
- High reliability

Technical Terms:

| No | Item | Specification |
|----|--------------------------------|---------------------|
| 1 | Part Number | MCUSD14A40S09RS-30C |
| 2 | Construction | Water Proof |
| 3 | Using Method | Dual Use |
| 4 | Centre Frequency | 40 ± 1kHz |
| 5 | Sound Pressure Level (dB) | ≥97 (30cm/10V rms) |
| 6 | Sensitivity (dB) | ≥-75dB/V/μbar |
| 7 | Beam pattern | 110 × 50° |
| 8 | Capacitance (pF) | 2,500 ± 25% at1kHz |
| 9 | Operating Temperature Range | -40°C to 85°C |
| 10 | Storage Temperature Range | -40°C to 85°C |
| 11 | Allowable Input Voltage (Vp-p) | 160V |
| 12 | Housing Material | Aluminium |

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Drawing:



Dimensions : Millimetres