



## Applications:

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

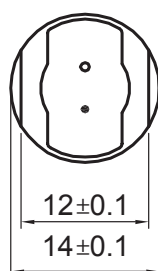
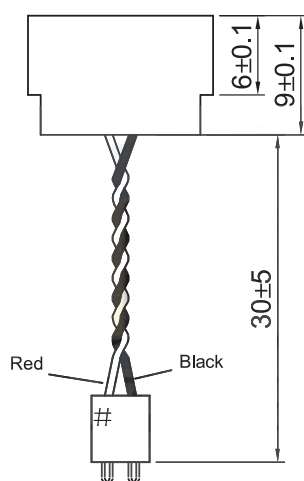
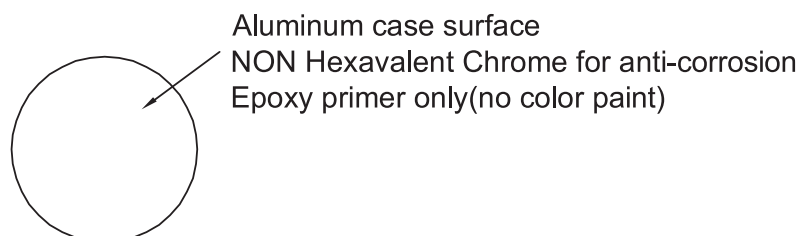
## Features:

- Water proof 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                    | MCUSD14A58S9RS-30C         |
| 2  | Construction                   | Water Proof                |
| 3  | Using Method                   | Dual Use                   |
| 4  | Centre Frequency               | 58 $\pm$ 1kHz              |
| 5  | Sound Pressure Level (dB)      | $\geq 85$ (30cm/10V rms)   |
| 6  | Sensitivity (dB)               | $\geq -90$ dB/V/ $\mu$ bar |
| 7  | Beam pattern                   | 110 $\times$ 50°           |
| 8  | Capacitance (pF)               | 2,000 $\pm$ 25% at 1kHz    |
| 9  | Operating Temperature Range    | -40°C to 85°C              |
| 10 | Storage Temperature Range      | -40°C to 85°C              |
| 11 | Allowable Input Voltage (Vp-p) | 160Vp-p                    |
| 12 | Housing Material               | Aluminium                  |

## Drawing:



Dimensions : Millimetres