

# MCUSD18A40S09RS-30C



## Applications:

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

## Features:

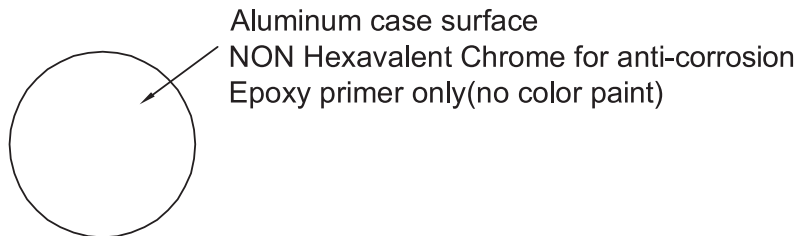
- Water proof and dual use
- Compact and light weight
- High sensitivity and sound pressure
- Less power consumption
- High reliability

## Technical Terms:

| No | Item                           | Specification       |
|----|--------------------------------|---------------------|
| 1  | Part Number                    | MCUSD18A40S09RS-30C |
| 2  | Construction                   | Water Proof         |
| 3  | Using Method                   | Dual Use            |
| 4  | Centre Frequency               | 40 ± 1kHz           |
| 5  | Sound Pressure Level (dB)      | ≥90 (30cm/10V rms)  |
| 6  | Sensitivity (dB)               | ≥-90dB/V/μbar       |
| 7  | Beam pattern                   | 110 × 50°           |
| 8  | Capacitance (pF)               | 2,000 ± 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           |

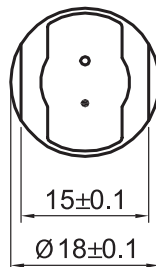
# MCUSD18A40S09RS-30C

## Drawing:



Lead wire  
AWG30 Red,Black  
connector pitch 2mm

# EIAJ code



Dimensions : Millimetres