

AW-R10PT10P

10 MHz 14mm Pt Wrapped Sensor

- QCM 14.0 mm diameter
- 10 MHz
- 12.0 / 5.0 mm wrapped electrodes
- Platinum electrodes



General

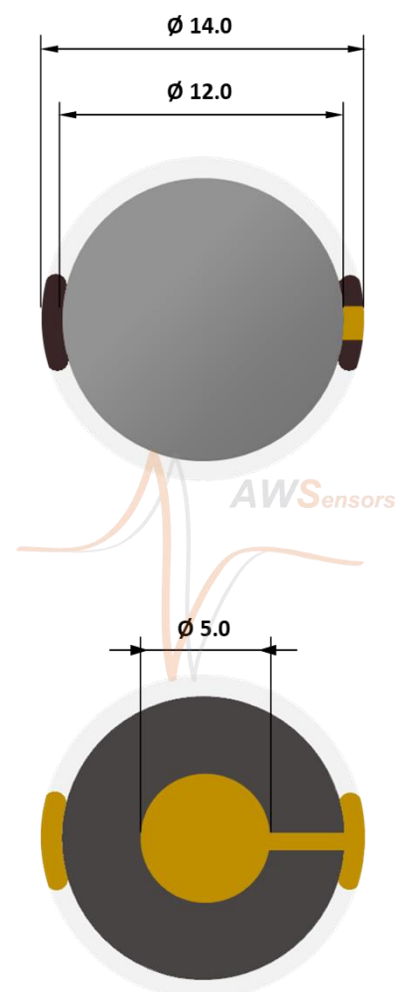
| | |
|------------------------------------|----------------------------|
| Sensor design | Plano-Plano |
| Cut | AT |
| Frequency vs Temperature stability | $< \pm 5$ ppm (0 to +50°C) |

Electrical

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|---------------------|--------------|
| Nominal frequency | 10.000 MHz |
| Center frequency | 10.000 MHz |
| Frequency tolerance | ± 20 KHz |
| Q-value (in air) | ~ 50000 |

Mechanical & Electrodes

| | |
|--------------------------|----------------------|
| Nominal blank diameter | 14.0 mm |
| Surface finish | Polished |
| Front electrode diameter | 12.0 mm |
| Front electrode material | 10 nm Ti / 100 nm Pt |
| Back electrode diameter | 5.0 mm |
| Back Electrode material | 10 nm Ti / 100 nm Au |
| One sided contacting | Yes |





Packaging, storage and maintenance (guidance)

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|------------------------|---|
| Sensor package type | Revolving plastic depository with a transparent lid for easy inspection. |
| Storage quantity | 10 covered dust and shock protected storage positions and 1 open position for ejection. |
| Package protection | Package is protected with a vacuum sealed plastic bag for prolonged storage and shipping. |
| Storage recommendation | After opening plastic vacuum bag, preferably store in dust free dry Air or Nitrogen at room temperature. |
| Cleaning | No cleaning necessary before use. However, after prolonged storage in humid air a light cleaning in an ultrasonic bath of either ultraclean water or alcohol without any denaturation can be done to remove adsorbed molecules on the surfaces. |
| Precautions | Do not touch, direct or indirectly, the electrodes to prevent scratches. Hold the sensor only from its outer edge. |