

## AW-R5SIO2P

### 5 MHz 14mm SiO<sub>2</sub> Wrapped Sensor

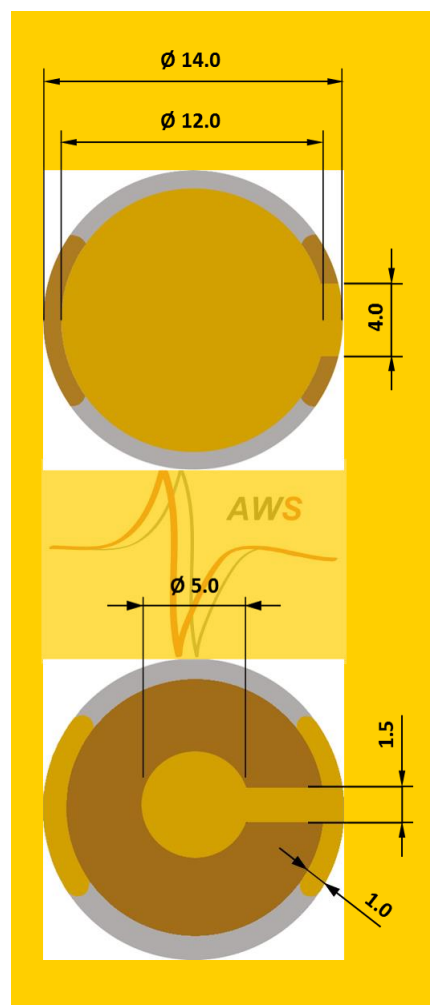
- QCM 14.0 mm diameter
- 5 MHz
- 12.0 / 5.0 mm wrapped electrodes
- Chromium / Gold / Silicon Dioxide electrode



| General                               |                         |
|---------------------------------------|-------------------------|
| Sensor design                         | Plano-Plano             |
| Cut                                   | AT                      |
| Frequency vs<br>Temperature stability | < ± 15 ppm (0 to +50°C) |

| Electrical          |           |
|---------------------|-----------|
| Nominal frequency   | 5.000 MHz |
| Center frequency    | 5.000 MHz |
| Frequency tolerance | ± 20 kHz  |
| Q-value (in air)    | > 100000  |

| Mechanical & Electrodes  |   |
|--------------------------|---|
| Nominal blank diameter   | 14.0 mm   |
| Surface finish           | Polished  |
| Front electrode diameter | 12.0 mm   |
| Back electrode diameter  | 5.0 mm  |
| Front electrode material | Cr/Au/SiO <sub>2</sub> , Chromium /<br>Gold / Silicon dioxide |
| Back electrode material  | Cr/Au, Chromium/Gold  |
| One sided contacting     | Yes   |





#### Packaging, storage and maintenance (guidance)

|                        |   |
|------------------------|---|
| 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.  |