

AW-R5AU11P

QCM 5 MHz Ti Au 14mm Wrapped Sensor

- QCM 14.0 mm diameter
- 5 MHz
- 12.0 / 5.0 mm wrapped electrodes
- Titanium / Gold electrodes



General

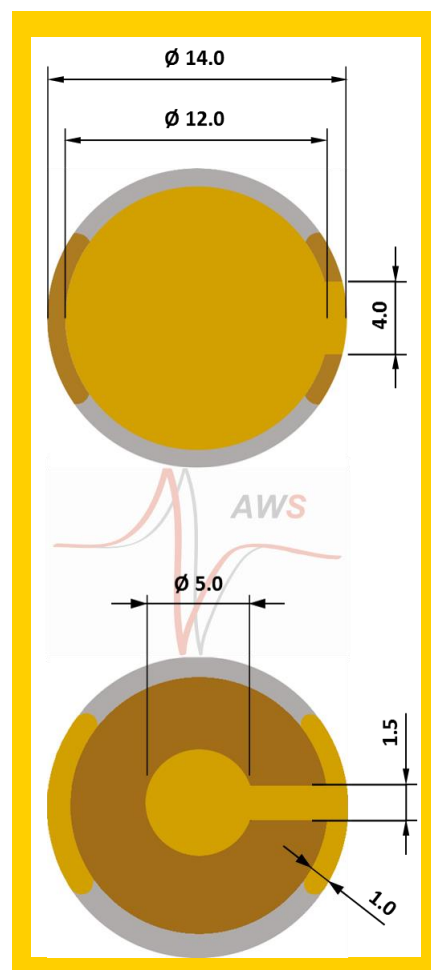
Sensor design	Plano-Plano
Cut	AT
Frequency vs Temperature stability	$< \pm 5$ ppm (0 to +50°C)

Electrical

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

Mechanical & Electrodes

Nominal diameter	blank	14.0 mm
Surface finish		Polished
Front diameter	electrode	12.0 mm
Back diameter	electrode	5.0 mm
Electrodes material		Ti / Au, titanium / Gold
One sided contacting		Yes
Coating thickness		100 nm





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.