

AW-R10C10P

10 MHz 14 mm Ti/C Wrapped Sensor

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

General

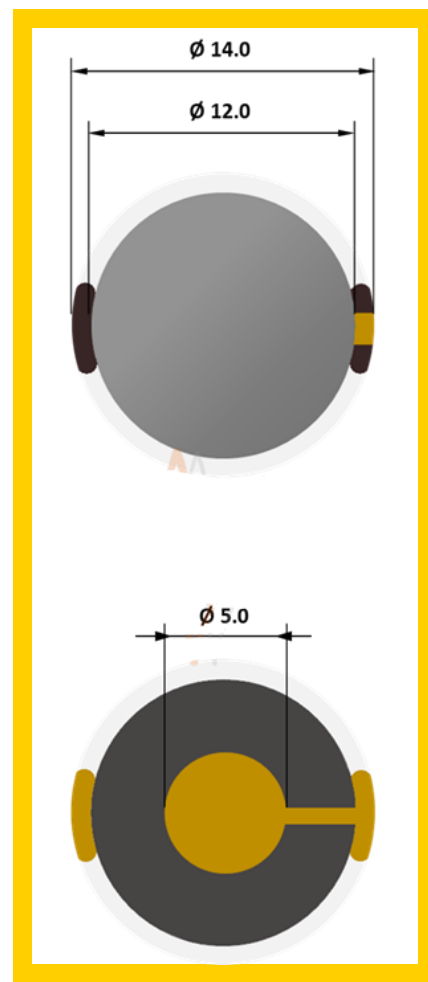
Sensor design	Plano-Plano
Cut	AT
Frequency stability vs. Temperature	< ± 5 ppm (0 to +50°C)

Electrical

Nominal frequency	10.000 MHz
Center frequency	10.000 MHz
Q-value (in air)	≈ 50000

Mechanical & Electrodes

Nominal diameter	blank	14.0 mm
Surface finish		Polished
Front diameter	electrode	12.0 mm
Back diameter	electrode	5.0 mm
Front material	electrode	10 nm Ti / 100 nm C, Titanium / Carbon
Back material	electrode	10 nm Ti / 100 nm Au, Titanium / Gold
One sided contacting		Yes





Packaging, storage and maintenance (guidance)	
Sensor package type	Plastic box depository with foam filling for appropriate protection.
Storage quantity	10 individually packed sensors, covered for dust and scratch protection.
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.