

AW-R10AU11

QCM 10 MHz 14 mm Ti/Au rough Sensor

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



General

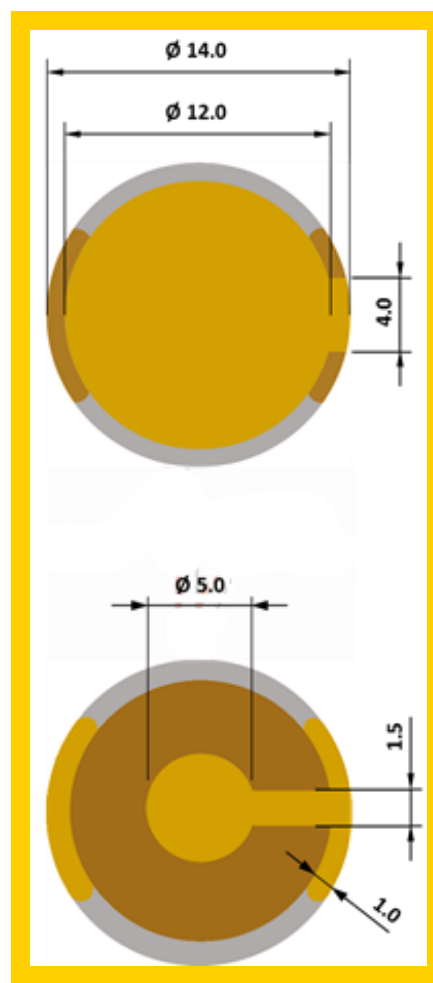
Sensor design	Plano-Plano
Cut	AT
Frequency stability vs. temperature	$< \pm 5$ ppm (0 to +50°C)

Electrical

Nominal frequency	10.000 MHz
Center frequency	10.000 MHz
Frequency tolerance	± 20 KHz
Q-value (in air)	$> 100\ 000$

Mechanical & Electrodes

Nominal blank diameter	14.0 mm
Surface finish	Rough
Front electrode diameter	12.0 mm
Back electrode diameter	5.0 mm
Electrodes material	Ti/Au
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.