

AW-R5AU21P

QCM Ti/Au 5 MHz 1 inch Sensor

- QCM 1 inch (25.4 mm) diameter
- 5 MHz
- 12.8 / 6.4 mm wrapped electrodes
- Titanium/Gold electrodes

General

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

Electrical

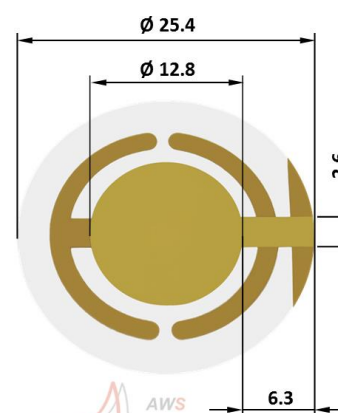
Nominal frequency	5.000 MHz
Center frequency	5.000 MHz
Frequency tolerance	± 7 kHz
Q-value (in air)	> 100000

Mechanical & Electrodes

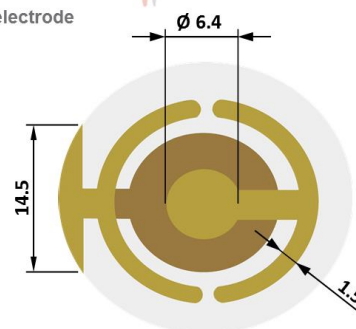
Nominal diameter	blank	25.4 mm
Surface finish		Polished
Front diameter	electrode	12.8 mm
Back diameter	electrode	6.4 mm
Electrodes material		Ti / Au, Titanium / Gold
One sided contacting		Yes
Coating thickness		250 nm Au

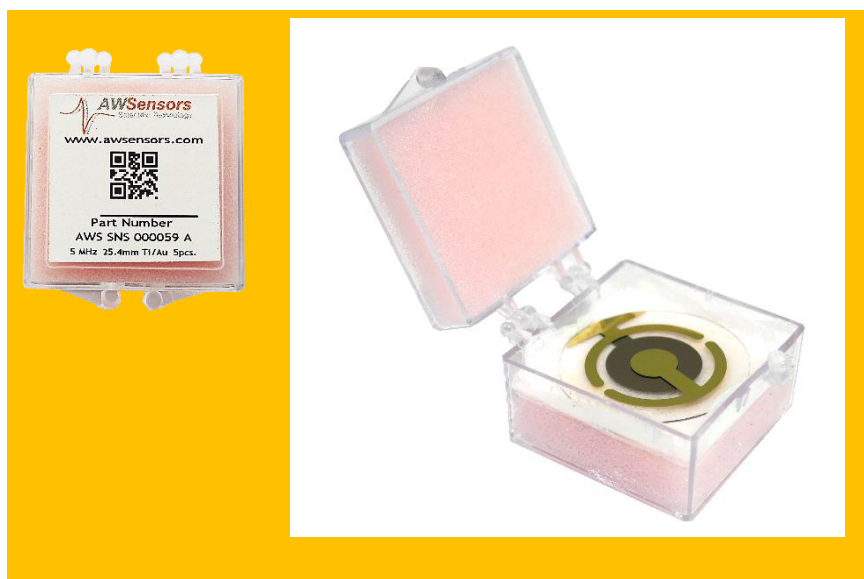


Front electrode



Back electrode





Packaging, storage and maintenance (guidance)

Sensor package type	Plastic box depository with foam filling for appropriate protection.
Storage quantity	5 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.