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|--|--------------------|-----------|------------------|
| Specification | AXQCM610-Au | Issue: 01 | Date: 2009-10-09 |
| Oscillator type : Quartz Crystal Microbalance Element | | | |

| Parameter | min. | typ. | max. | Unit | Condition |
|----------------------------------|------------------|------|------|----------|--------------|
| Nominal frequency | 6 | | | MHz | |
| Reference frequency | 5.983 | | | MHz | |
| Crystal cut | AT | | | | |
| Overtone | 1 | | | | |
| Adjustment tolerance | -7 | | +7 | kHz | @ 25°C |
| Frequency stability | | | | | |
| Over operating temperature range | -50 | | +50 | ppm | |
| Resonance resistance R_r | | | 15 | Ω | |
| Motional capacitance C_1 | | | | fF | |
| Shunt capacitance C_0 | | | 7 | pF | |
| Drive level | | 100 | | μ W | |
| Operating temperature range | 0 | | +70 | °C | |
| Storage temperature range | -40 | | +105 | °C | |
| QCM diameter | 14 \pm 0.1 | | | mm | |
| Blank surface quality | Fine lapped | | | | |
| Electrode diameter Side A | 13.97 \pm 0.03 | | | mm | Fully plated |
| Electrode material Side A | Au - Cr | | | | |
| Electrode diameter Side B | 6.0 \pm 0.05 | | | mm | See drawing |
| Electrode material Side B | Au - Cr | | | | |

