

Key Features – Quantum Packaging

- 20 RF-ports with SMP connectors & cabling
- Fully light-tight shielding and chip enclosure
- Mu-metal and Aluminum shields (with flange)
- RF-PCB with a 10×10 mm chip cutout
- Low-loss, low-crosstalk 4-layer RF-PCB
- Non-magnetic components only
- Sample box resonance frequencies above 15 GHz
- Different mounting brackets for cryostats available
- Direct thermalization using OFHC copper parts
- *Optional:* Nickle-free gold plating of all copper parts



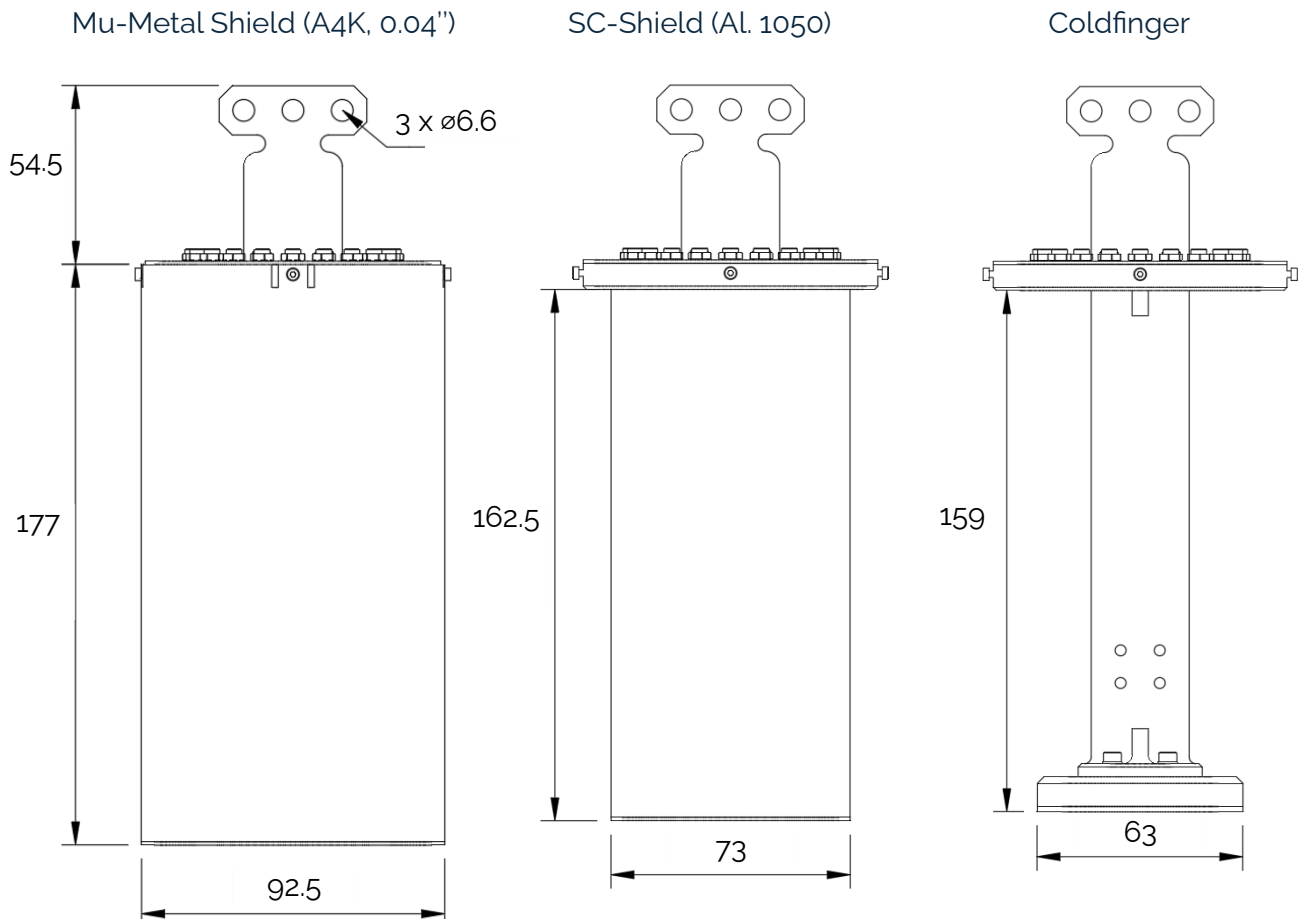
Quantum Packaging
Shielding & Sample Disk

Typical Performance

RF frequency	DC - 12 GHz
PCB insertion loss	< 1.0 dB
PCB return loss	> 15.0 dB

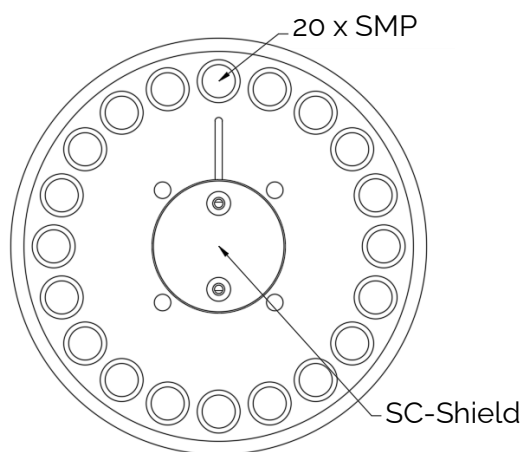
PCB crosstalk	< -52.0 dB
Box mode freq.	> 15.0 GHz
Sample size	10.0 x 10.0 mm

Drawing Shielding [mm]

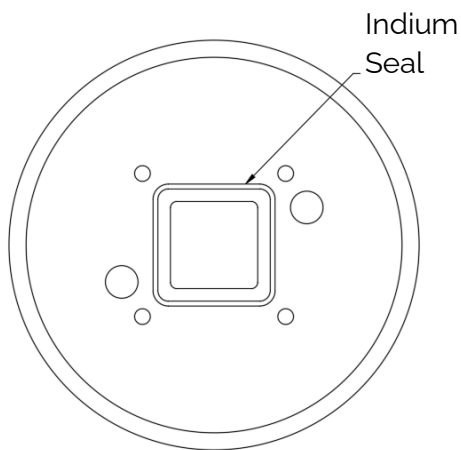


Drawing Sample Disk [mm]

Top Sample Holder (Copper C101)



Bottom AL. Cover (AL. 1050)



Drawing RF-PCB & Sample Cutout [mm]

