

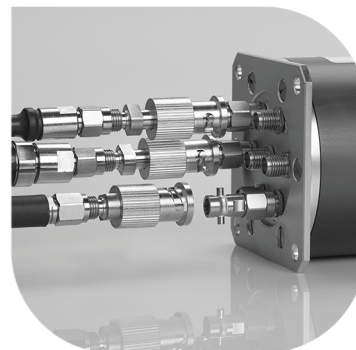


QCD

QCD (Quick Connect-Disconnect) provides a 26 GHz bayonet to SMA connector solution that reduces time for setup, reduces calibration steps, provides a quick test setup and aids in preserving test cable durability. The QCD is a perfect time saving solution for high density, high-count test environments.

Features

- 50 Ω
- DC to 26.5 GHz
- Low VSWR and insertion loss
- 5,000 matings minimum
- Reduces time for setup, calibration and testing
- Reduces need for additional calibration
- Perfect for high mating/unmating applications
- Bayonet coupling for easy mating
- Extended life of test cables



MATERIALS:

Body parts: Stainless steel

Contacts: Beryllium copper

Insulators: PTFE

Gaskets: Silicone rubber

FINISH:

Body: Passivated

Center contacts: NPGR

Outer contact: Gold 0.2 over nickel 2

ELECTRICAL:

Impedance: 50 Ω

Frequency range: 0-26 GHz

VSWR: $1.1 + 0.0000 \times f$ (GHz) max

Insertion loss: $0.06V(f)$ (GHz) dB max

RF leakage: $-[\frac{N}{A} - f$ (GHz)] dB max

Voltage rating: 500 Veff max

Dielectric withstanding voltage: 1,000 Veff min

Insulation resistance: 5,000 M Ω min

MECHANICAL:

5913-2503-000

Center contact retention:

Axial force – Mating end: 2.8 N min

Axial force – Opposite end: N min

Torque: Ncm min

Recommended torque:

Mating: SMA 0 Ncm

Mating life: 5,000 cycles min

Weight: 12.3520 g

5914-9503-000

Center contact retention:

Axial force – Mating end: 27 N min

Axial force – Opposite end: 27 N min

Torque: 2.8 Ncm min

Recommended torque:

Mating: SMA 110 Ncm

Mating life: 5,000 cycles min

Weight: 4.2470 g

ENVIRONMENTAL:

Operating: -65°C/+165°C

Hermetic seal: Atm cm 3/s
panel leakage