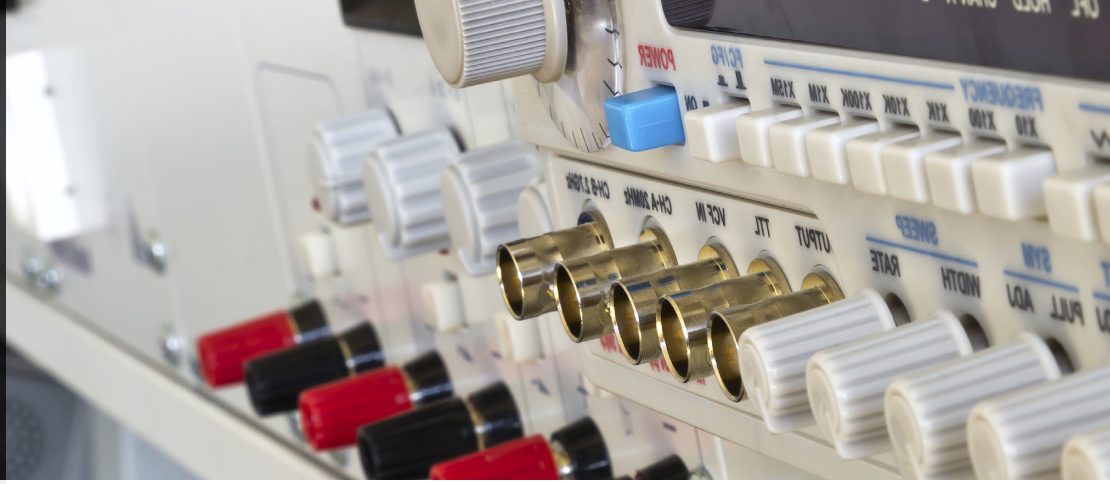
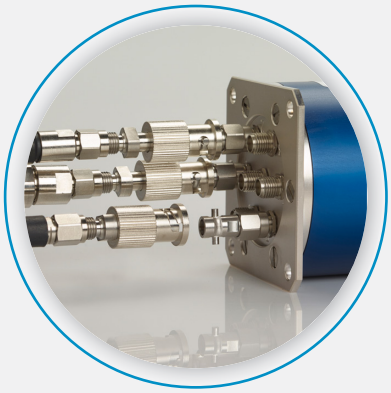
QCD

(Quick Connect - Disconnect)
Time Saving Solution for Test and Measurement Applications





Designed for test labs and production test environments, the new QCD (Quick Connect - Disconnect) connector system is a perfect solution for high density multi-mating test environments up to 26GHz.

The QCD was developed to support test engineers and reduce the time allocated for setup, calibration and testing of high-density/multi-test point applications.

This new solution features a 26GHz bayonet style coupling to SMA connector, which provides a single setup while eliminating the need for tooling.

By implementing the QDC connector, customers can achieve time savings which results in lower implementation cost. The QDC provides consistent and repeatable performance and extends the durability/life of the test cables due to its 5,000 mating cycles.

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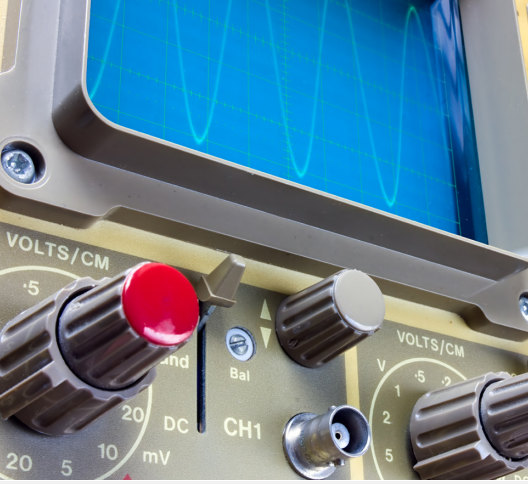

QCD is a time savings solution which features a 26GHz bayonet to SMA connector to provide high performance and aid in preserving test cable durability and life cycles.

ELECTRICAL CHARACTERISTICS	
TEST / CHARACTERISTICS	**VALUES / REMARKS**
Impedance	50Ω
Frequency	DC to 26GHz
V.S.W.R.	1.1 to 0.0000 x F (GHz) Maxi
Insertion loss (dB)	0.06 √F (GHz) dB Maxi
RF Leakage	60 -F (GHz) dB Maxi
Voltage Rating (V.R.M.S.)	500 Veff Maxi
Dielectric Withstanding Voltage (V.R.M.S.)	1000 Veff Mini
Insulator Resistance	5000 MΩ Mini

ENVIRONMENTAL CHARACTERISTICS	
TEST / CHARACTERISTICS	**VALUES / REMARKS**
Operating Temperature	-65°C / +165°C

MECHANICAL CHARACTERISTICS	
TEST / CHARACTERISTICS	**VALUES / REMARKS**
Center Contact Retention Axial Force - mating end Axial Force - opposite end Torque	 27/2.8 N mini 27/0 N mini 2.8 N.cm mini
Recommended Torque - SMA	110 N.cm mini
Mating Life	5000 cycles mini

FEATURES & BENEFITS

- *Reduces time for setup, calibration and testing*
- *Perfect for high mating/unmating applications*
- *Low insertion loss*
- *Bayonet coupling for easy mating*
- *Tool less installation (after initial SMA torquing)*
- *Expands test cable life cycles*
- *5,000 mating cycles minimum*

APPLICATIONS

- *Test & Measurement*
- *Test labs*
- *Production test applications*
- *Reference design applications*
- *High mating cycle applications*