



Overview

Amphenol RF offers a variety of QMA adapters with both in-series and between series options available. These quick-locking adapters feature an innovative snap-on coupling mechanism which allows them to be installed into a system up to ten times faster than the similar SMA interface. There is no additional tooling required and once the QMA adapters are mated, they can be rotated 360° to improve the flexibility of the installation.

Designed with the same internal construction as the SMA series, QMA adapters provide low loss RF performance up to 18 GHz. The high power handling capability makes these adapters ideal for base stations, 5G wireless infrastructure and a wide range of test and measurement equipment.

Features and Benefits

- Frequency range up to 18 GHz
- Snap-on interface for quick and easy installation
- Rotates 360° after connection for flexibility with installation

Applications

- Antennas
- Base Stations Equipment
- 5G Wireless Infrastructure
- Amplifiers
- Test and Measurement

Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100

Ordering Information

QMA to N-Type

Part Number	Description
AD-NPQMAJ-1	QMA Jack to N-Type Plug Straight

QMA to QMA

Part Number	Description
AD-QMAPQMAP-1	QMA Plug to QMA Plug Straight
AD-QMAPQMAJ-2	QMA Plug to QMA Jack Straight
AD-QMAJQMAJ-1	QMA Jack to QMA Jack Straight

QMA to SMA

Part Number	Description
242260	QMA Plug to SMA Plug Straight
242261	QMA Plug to SMA Jack Straight
242262	QMA Jack to SMA Jack Straight
242263	QMA Jack to SMA Plug Straight
930-100A-51S	QMA Jack to SMA Jack Straight, Anti-Torque Feature
930-101A-51S	QMA Plug to SMA Jack Straight, Anti-Torque Feature
930-130A-51S	QMA Plug to SMA Plug Straight, Anti-Torque Feature
930-131A-51S	QMA Jack to SMA Plug Straight, Anti-Torque Feature

QMA to TNC

Part Number	Description
AD-TNCJQMAP-1	QMA Plug to TNC Jack Straight

Amphenol® RF

Technical Specifications

Electrical	QMA - N-Type	QMA - QMA	QMA - SMA	QMA - TNC
Impedance	50 Ω			
Frequency Range	DC - 18 GHz			
VSWR	1.24 Max.	1.2 Max.	1.3 Max.	1.2 Max.
Dielectric Withstanding Voltage	1000 VRMS Min.			

Mechanical

Mating	Snap-On			
Durability	100 Cycles Min.			

Environmental

Temperature Range	-65°C to 165°C	-65°C to 165°C	-40°C to 185°C	-65°C to 165°C
RoHS Compliant	Compliant with Exemption 6C			

Materials

Body	Brass, Nickel Plating	Brass, Nickel Plating	Brass, White Bronze Plating	Brass, Nickel Plating
Male Contact	BeCu, Gold Plating	BeCu, Gold Plating	BeCu, Gold Plating	BeCu, Gold Plating
Female Contact	BeCu, Gold Plating	BeCu, Gold Plating	BeCu, Gold Plating	BeCu, Gold Plating
QMA Outer Contact	BeCu, White Bronze Plating	BeCu, White Bronze Plating	Phosphor Bronze, White Bronze Plating	BeCu, White Bronze Plating
Insulator	PTFE, Natural	PTFE, Natural	PTFE, Natural	PTFE, Natural

Note: Technical specifications are typical and may vary by specific part number. Please see component drawing.

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