



Overview

Amphenol RF offers a number of 50 ohm SMA and RP-SMA connectors designed to accommodate ultraminiature micro-coax cable types. These jacks and plugs are available in the straight and right-angle crimp configuration and feature a threaded coupling mechanism for secure mating.

The SMA connector is a lightweight and compact connector that offers reliable RF performance up to 7 GHz. Their high-strength design provides vibration resistance while the micro-coax cables adds considerable flexibility making them ideal for a broad range of design possibilities.

These connectors are part of a robust portfolio of ultraminiature products suitable for applications such as drones, test and measurement equipment, industrial automation and inspection, and Bluetooth and cellular technology.

Features and Benefits

- Reliable electrical performance up to 6 GHz
- Threaded coupling mechanism for secure mating
- Vibration resistant design
- Ideal for applications with space constraints

Applications

- Antennas
- Base Stations
- Drones
- Test and Measurement Equipment
- Industrial Automation and Inspection
- Bluetooth and Cellular technology
- WLAN

Ordering Information

SMA Straight Crimp Jacks for Micro-Coax Cable

Part Number	Description
901-10761	SMA Straight Crimp Jack, 0.81 mm
901-10762	SMA Straight Crimp Jack, 1.13 mm
901-10763	SMA Straight Crimp Jack, 1.32 mm
901-10764	SMA Straight Crimp Jack, 1.37 mm

RP-SMA Straight Crimp Jacks for Micro-Coax Cable

Part Number	Description
901-10774	RP-SMA Straight Crimp Jack, 0.81 mm
901-10775	RP-SMA Straight Crimp Jack, 1.13 mm
901-10776	RP-SMA Straight Crimp Jack, 1.32 mm
901-10777	RP-SMA Straight Crimp Jack, 1.37 mm
901-10778	RP-SMA Straight Crimp Jack, RG-178

SMA Straight Crimp Plugs for Micro-Coax Cable

Part Number	Description
901-10107	SMA Straight Crimp Plug, 1.13 mm
132387	SMA Straight Crimp Plug, 1.32 mm
132390	SMA Straight Crimp Plug, 1.37 mm

RP-SMA Straight Crimp Plugs for Micro-Coax Cable

Part Number	Description
901-10779	RP-SMA Straight Crimp Plug, 0.81 mm
901-10780	RP-SMA Straight Crimp Plug, 1.13 mm
901-10781	RP-SMA Straight Crimp Plug, 1.32 mm
901-10782	RP-SMA Straight Crimp Plug, 1.37 mm

RP-SMA Right-Angle Crimp Plugs for Micro-Coax Cable

Part Number	Description
901-10783	RP-SMA Right-Angle Crimp Plug, 0.81 mm
901-10784	RP-SMA Right-Angle Crimp Plug, 1.13 mm
901-10785	RP-SMA Right-Angle Crimp Plug, 1.32 mm
901-10786	RP-SMA Right-Angle Crimp Plug, 1.37 mm

Amphenol RF

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

Amphenol® RF

Technical Specifications

Electrical

Impedance		50Ω
Frequency Range		DC - 7 GHz
Voltage Rating		166 RMS Max Continuous
Dielectric Withstanding Voltage		500 VRMS Min
VSWR (Return Loss)	DC – 3 GHz	1.3 Max
	3 – 6 GHz	1.4 Max
Insulation Resistance		5000 MΩ Min
Center Contact Resistance		3.0 mΩ Min
Outer Contact Resistance		2.0 mΩ Min

Environmental

Temperature Range		-65°C to +165°C
RoHS Compliance		Compliant with Exemption 6C

Mechanical

Mating Cycles		500 Min
Coupling Mechanism		Threaded

Materials

Body		Brass, Gold Plating
Contact		Beryllium Copper, Gold Plating
Insulator		PTFE, Natural

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

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