High Performance SMA Adapter Series
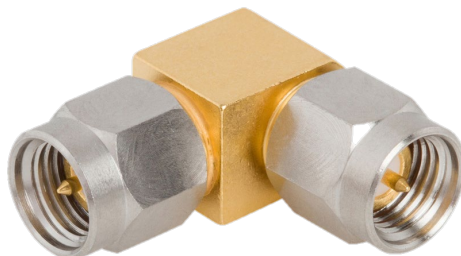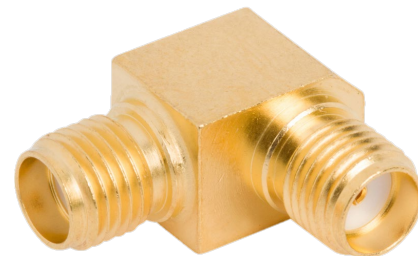## Extended Frequency Range of 22 GHz

AD-SMAPSMAJ-2

AD-SMAPSMAP-2

AD-SMAJSMAJ-2

Overview

Amphenol RF offers high-performance SMA adapters designed to provide consistent VSWR performance approaching the frequency limit. These adapters feature a swept center contact with an innovative multi-piece body designed to reduce cost versus traditional swept adapters. The right-angle SMA adapter is ideal for SATCOM, radar and test and measurements applications.

High-performance SMA adapters operate up to an extended frequency range of 22 GHz and feature brass, gold plated bodies and beryllium copper contacts. These adapters can be used in conjunction with our line of ATC-PS precision test cables.

Features and Benefits

· Improved VSWR
· Cost-saving design
· Low profile
· Compact size

Applications

· SATCOM
· Radar
· Antennas
· Wireless testing
· Test and measurement

Ordering Information

SMA Adapters

Part Number	Description
AD-SMAPSMAJ-2	SMA Right-Angle Plug to Jack Adapter
AD-SMAPSMAP-2	SMA Right-Angle Plug to Plug Adapter
AD-SMAJSMAJ-2	SMA Right-Angle Jack to Jack Adapter

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Amphenol® RF

Technical Specifications

Electrical

Impedance		50 Ω
Frequency Range		DC - 22 GHz
Return Loss (VSWR)		1.3 (-18 dB) Max.
Dielectric Withstanding Voltage		1000 VRMS Max.
Insulation Resistance		5000 MΩ Min.
Contact Resistance	Center Contact	6 mΩ Max.
	Outer Contact	4 mΩ Max.

Mechanical

Coupling Style	Threaded
Mating Cycles	500 Min.

Environmental

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

Materials

Body	Brass, Gold Plating
Male Contact	Beryllium Copper, Gold Plating
Female Contact	Beryllium Copper, Gold Plating
Insulator	PTFE

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