

LT-BNC-F-SMAF

BNC Female to SMA Female Adapter

LT-BNC-F-SMAF is a high-quality RF adapter designed to connect devices with BNC Female and SMA Male interfaces. Built with precision and durability, this adapter ensures stable signal transmission and minimal loss, making it ideal for both professional and industrial applications.

The LT-BNC-F-SMAF serves as a reliable connector solution for RF systems, test equipment, and communication devices. Its robust construction supports consistent performance in demanding environments, providing flexibility and compatibility between different connector standards.



Key Features

- BNC Female to SMA Male
- Low signal loss
- Durable, high-quality build
- Wide RF compatibility
- Compact design

Applications

- RF testing and measurement setups
- Communication and broadcasting equipment
- Wireless systems and antennas
- Laboratory instrumentation
- Field service and maintenance kits
- General RF adapter use in industrial and commercial environments

Ordering Information

The LT-BNC-F-SMAF belongs to the High-Performance RF Connector Series (50 Ω , DC–4 GHz, low-PIM, IP68 sealing).

Specifications

PART NUMBER	LT-ADP-BNCF-SMA	
Description	BNC FEMALE TO SMA FEMALE ADAPTER	
Material and Plating		
Center Contact	Tin Bronze / Gold Plated	
Outer Contact & Body	Brass / Nickel Plated	
Nut	Brass / Nickel Plated	
Dielectric	PTFE	
Gasket	-	
Electrical Specifications		
Characteristic Impedance	50 Ohm	
Frequency Range	DC~4GHz	
Insulation Resistance	$\geq 5000M\Omega$	
Contact Resistance	BNC type Female	SMA type Female
Center Contact	$\leq 1.5m\Omega$	$\leq 4.0m\Omega$
Outer Contact	$\leq 1.0m\Omega$	$\leq 2.0m\Omega$
Dielectric Withstanding Voltage	1500V rms	
Working Voltage	500V rms	
Insertion Loss	$\leq 0.10dB@DC\sim 3GHz$	
VSWR	$\leq 1.10@DC\sim 3.0GHz$	
Environmental & Mechanical Specifications		
Mating Durability	≥ 500 cycles	
Thermal Shock Test Method	MIL-STD-202F, Method 107G, Test Condition B	
Vibration Test Method	MIL-STD-202, Meth. 204, Cond. B	
Temperature Range	$-65\sim +165^{\circ}C$	
RoHS	Compliant	

