



KEY FEATURES

- Quick-Connect/Disconnect Mating
- Low Insertion Loss, 0.07 dB Typ.
- Excellent VSWR, 1.05:1 Typ.
- Straight Body



Generic photo used for illustration purposes only

PRODUCT OVERVIEW

Mini-Circuits' NF-MQK50+ is a coaxial N-Female to N-Male Quick Connect adapter supporting a wide range of applications from DC to 12.4 GHz. This model provides excellent VSWR and low insertion loss versus frequency. The NF-MQK50+ features tri-metal finish construction and measures only 1.58" in length.

ELECTRICAL SPECIFICATIONS¹ AT +25°C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Frequency Range	—	DC	—	12.4	GHz
Insertion Loss	DC-6	—	0.06	0.2	dB
	6-12.4	—	0.08	0.2	
VSWR	DC-6	—	1.03	1.15	:1
	6-12.4	—	1.08	1.20	

1. Specifications are tested to minimum frequency of 0.01 GHz.

ABSOLUTE MAXIMUM RATINGS²

Operating Case Temperature	-40 °C to +80 °C
Storage Temperature	-40 °C to +80 °C

2. Permanent damage may occur if any of these limits are exceeded.



Mini-Circuits

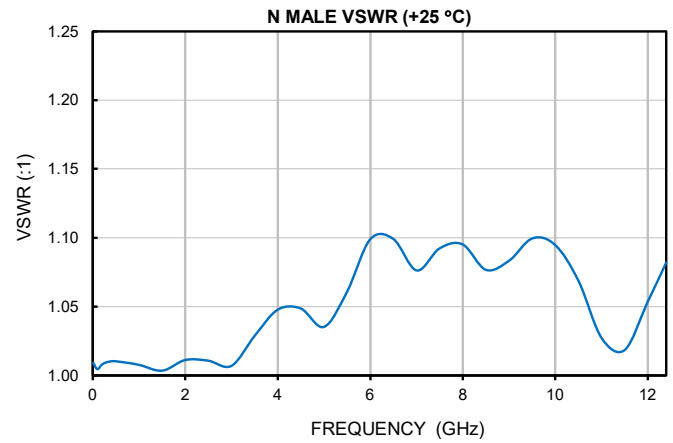
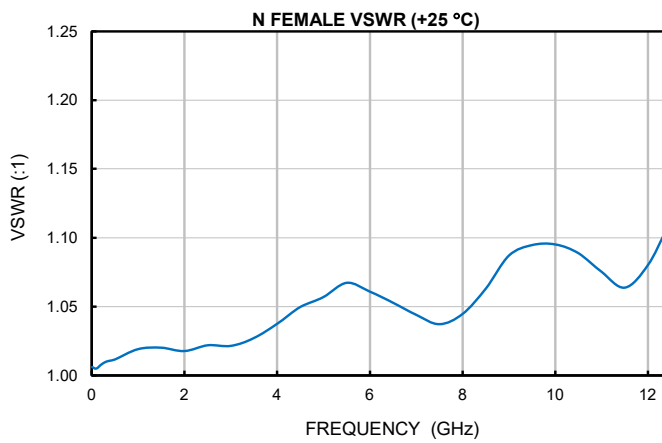
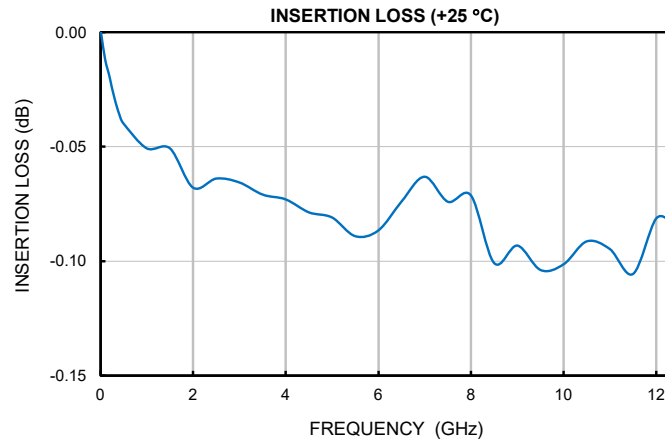
COAXIAL

Adapter

NF-MQK50+

50 Ω DC to 12.4 GHz N-Female to N-Male

TYPICAL PERFORMANCE GRAPHS

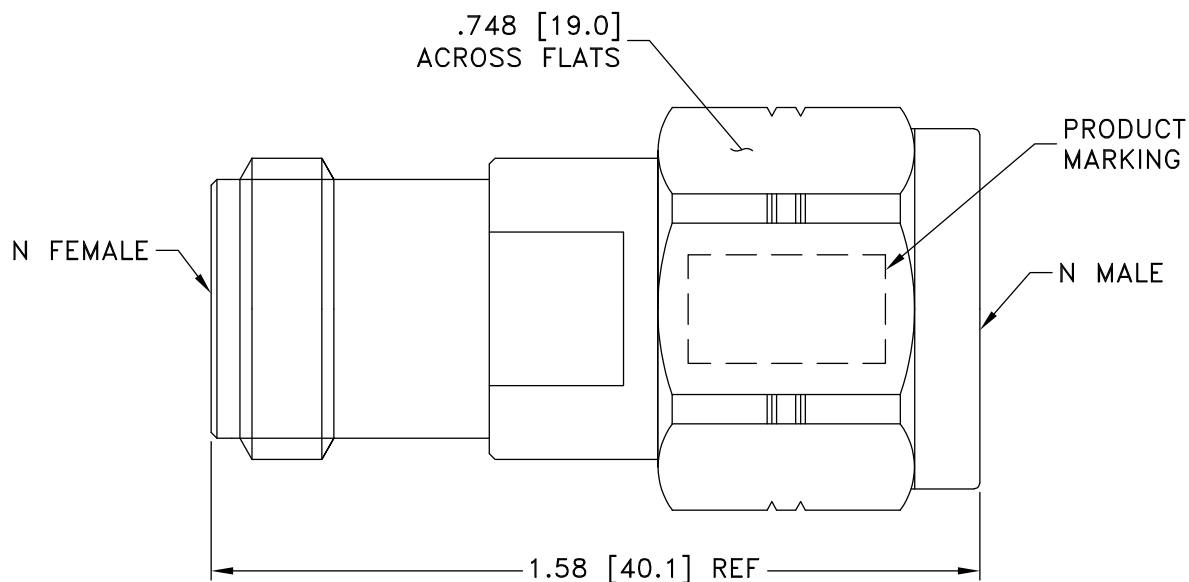




CONNECTOR SPECIFICATIONS

Description	Connector 1	Connector 2
Connector Type	N-Female	N-Male
Orientation	Straight	Straight

CASE STYLE DRAWING



Weight: 52 grams MAX

Dimensions are in inches [mm]. Tolerances: 2 Pl. ± 0.03 ; 3 Pl. ± 0.015 Inches

PRODUCT MARKING*: NF-MQK50+

*Marking may contain other features or characters for internal lot control.



ADDITIONAL INFORMATION IS AVAILABLE ON OUR DASHBOARD

CLICK HERE

Performance Data & Graphs	Data
	Graphs
	S-Parameter (S2P Files) Data Set (.zip file)
Case Style	DJ1028-3
RoHS Status	Compliant
Environmental Ratings	ENV155

NOTES

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the standard. Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/terms/viewterm.html