

RF Adapter, N Male to TNC Female

SKU: ACC-PT-00099

Description

The RF Adapter, N Male to TNC Female (SKU: ACC-PT-00099) by Powertec is a high-performance component designed for versatile RF applications. Constructed with a robust brass body and nickel plating, it features gold-plated brass contacts and a PTFE insulator, ensuring durability and reliable performance. This adapter supports over 500 mating cycles and operates efficiently across a wide temperature range from -65 °C to 165 °C.

Engineered for a frequency range of 0 to 6 GHz, the adapter maintains an input impedance of 50 Ω and exhibits a VSWR of $\leq 1.25:1$ at 6000 MHz, ensuring minimal signal reflection and optimal performance. It is compliant with rigorous MIL-STD-202 standards for thermal shock, corrosion, vibration, shock, and moisture resistance, guaranteeing reliability in demanding environments.

The adapter features one N Male connector and one TNC Female connector, both with straight body shapes and free-hanging mounting styles, making...

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RF Connector Interface

RF Interface	Body Shape	Mounting
N Male	Straight	Free Hanging
TNC Female	Straight	Free Hanging

RF Specification

Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	6 GHz		

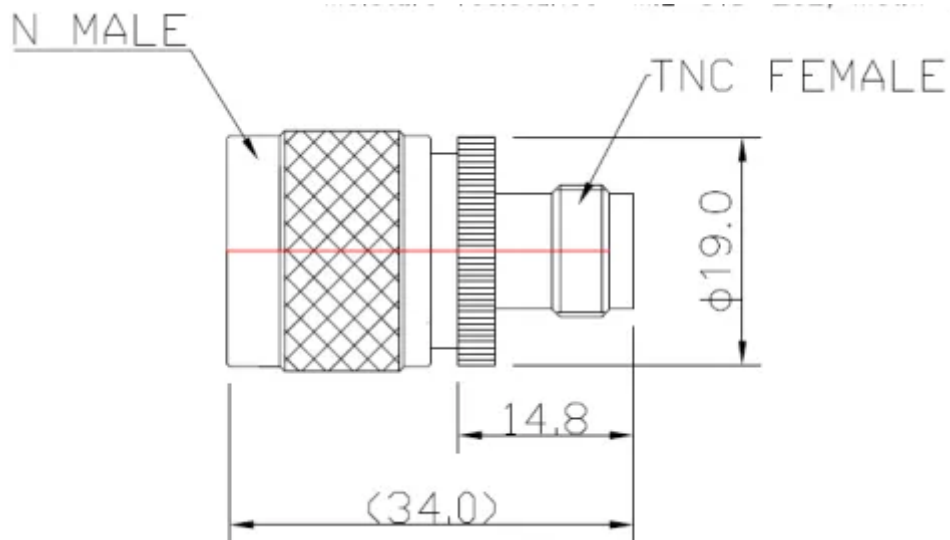
VSWR Measurement

Frequency	VSWR
6000 MHz	$\leq 1.25:1$

Physical Specification

Body Material:	Brass	Contact Material:	Brass
Body Plating:	Nickel	Contact Plating:	Gold
Insulator Material:	PTFE / Teflon	Min. Operating Temperature:	-65 °C
Dimensions:	34.0 x 19.0	Max. Operating Temperature:	165 °C
		Mating Cycles:	> 500
		Mechanical Compliance:	MIL-STD-202: Thermal Shock
			,
		MIL-STD-202: Corrosion	,
		MIL-STD-202: Vibration	,
		MIL-STD-202: Shock	,
		MIL-STD-202: Moisture Resistance	

Drawing



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