

# CommScope L4TNM-PSA Type N Male Positive Stop(tm) for 1/2 in AL4RPV-50, LDF4-50A, HL4RPV-50 cable

SKU: ACC-CS-00006

MPN: L4TNM-PSA

## Description

The CommScope L4TNM-PSA is a Type N Male connector for 1/2 inch corrugated coaxial cables, including CommScope AL4RPV-50, LDF4-50A, HL4RPV-50 cable types.

CommScope's N RF connectors are designed for extremely fast field installation, requiring only few tools to prepare. L4TNM-PSA is a captive contact connector for high performance solder-free installation.

L4TNM-PSA is a low PIM (-116 dBc) connector using trimetal and silver platings. This model connector is IP68 when mated with a compatible N Female connector.

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CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what's next and push the boundaries of ...

# RF Connector Interface

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RF Interface	Body Shape	Mounting
N Male	Straight	Free Hanging

## RF Specification

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Start Frequency:	0 GHz	Input Impedance:	50
Stop Frequency:	8.8 GHz	Inner Contact Resistance:	$\leq 2 \text{ m}\Omega$
Peak Power:	10 kW	Insulation Resistance:	$\geq 5000 \text{ m}\Omega$
PIM, 3rd Order:	$\leq -116 \text{ dBc}$	Outer Contact Resistance:	$\leq 0.3 \text{ m}\Omega$
RF Operating Voltage:			$\leq 707 \text{ Vrms}$

## VSWR Measurement

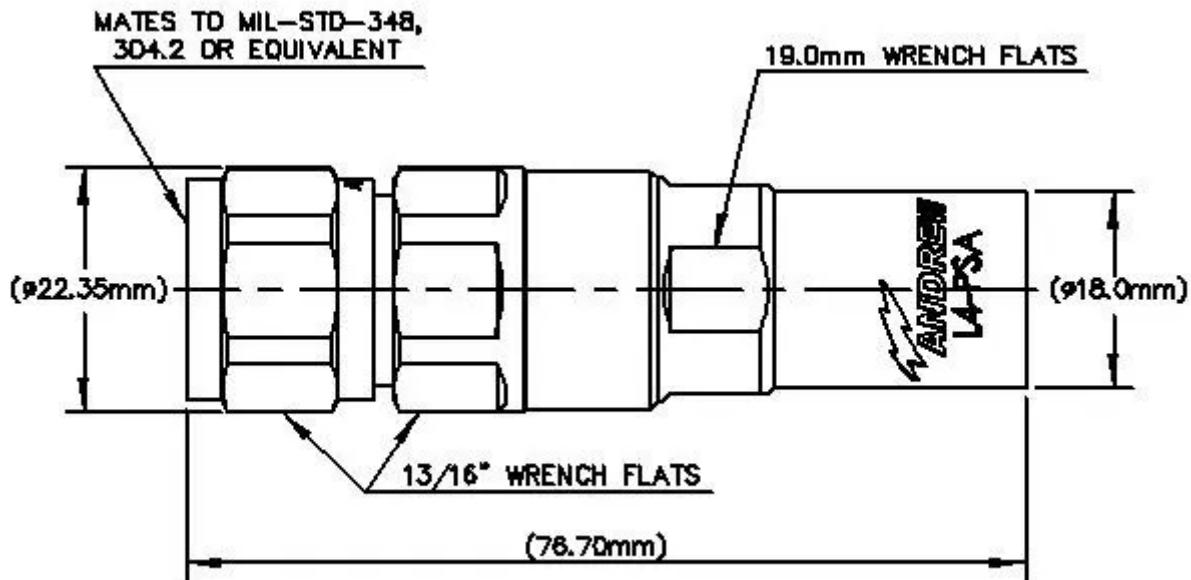
Frequency	VSWR	Return Loss
1000 MHz	$\leq 1.03:1$	$\leq 39 \text{ dB}$
2200 MHz	$\leq 1.03:1$	$\leq 37 \text{ dB}$
3000 MHz	$\leq 1.05:1$	$\leq 33 \text{ dB}$
4000 MHz	$\leq 1.1:1$	$\leq 27 \text{ dB}$
6000 MHz	$\leq 1.26:1$	$\leq 19 \text{ dB}$
8000 MHz	$\leq 1.33:1$	$\leq 17 \text{ dB}$

## Physical Specification

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Cable Group:	1/2 Corrugated	Conductor Attachment:	Cable, Captivated
Body Plating:	White Bronze	Contact Material:	Brass
Insulator Material:	PTFE / Teflon	Contact Plating:	Silver
Dimensions:	76.71 × 22.35 × 22.35	Min. Operating Temperature:	-55 °C
Weight:	94.7 g	Max. Operating Temperature:	85 °C
Compliance/Certifications:	ISO 9001 Quality Management	Ingress Protection:	IP68
RoHS		Mating Cycles:	> 500
Mechanical Compliance:	IEC 60068-2-27: Mechanical Shock		
	IEC 60068-2-6: Vibration		

## Drawing



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