

Page



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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.

[Read More](#)





[CommScope](#)

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

RF Interface Body Shape Mounting

[N Male](#)

[Straight](#)

[Free Hanging](#)

RF Specification

Start Frequency

0 GHz

Stop Frequency

8.8 GHz

Peak Power

10 kW

PIM, 3rd Order

≤ -116 dBc

Input Impedance

50 Ω

Inner Contact Resistance

≤ 2 m Ω

Insulation Resistance

$\geq 5000 \text{ m}\Omega$

Outer Contact Resistance

$\leq 0.3 \text{ m}\Omega$

RF Operating Voltage

$\leq 707 \text{ Vrms}$

VSWR Measurement

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

Cable Group

[1/2 Corrugated](#)

Body Plating

[White Bronze](#)

Insulator Material

[PTFE / Teflon](#)

Dimensions

$76.71 \times 22.35 \times 22.35$

Weight

94.7 g

Compliance/Certifications

[ISO 9001 Quality Management](#)

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[RoHS](#)

Mechanical Compliance

[IEC 60068-2-27: Mechanical Shock](#)

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[IEC 60068-2-6: Vibration](#)

Conductor Attachment

[Cable, Captivated](#)

Contact Material

[Brass](#)

Contact Plating

Silver

Min. Operating Temperature

-55 °C

Max. Operating Temperature

85 °C

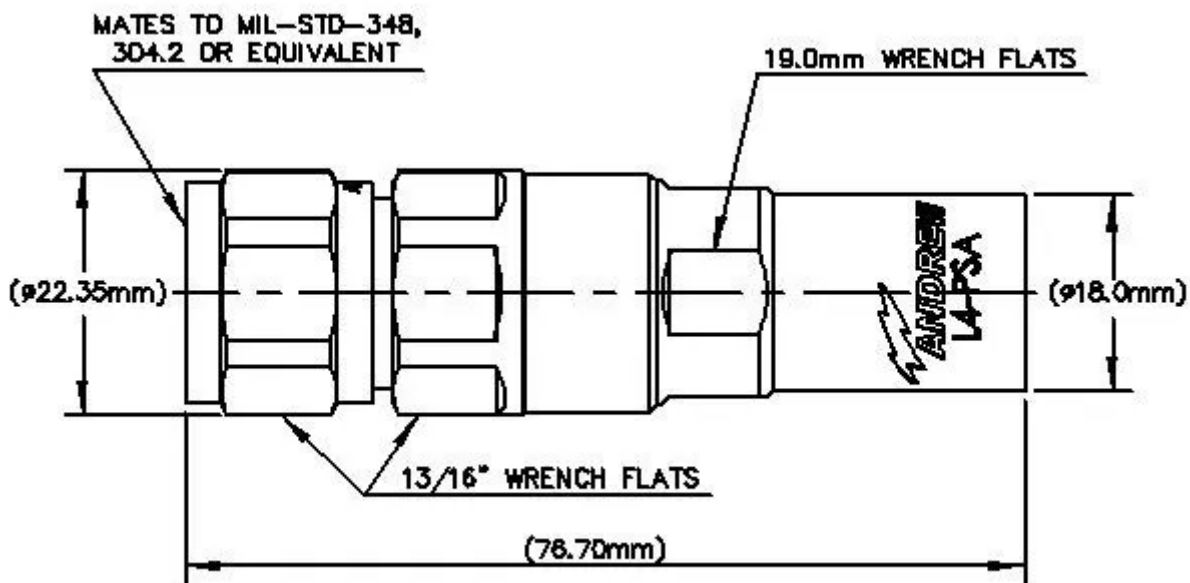
Ingress Protection

IP68

Mating Cycles

> 500

Drawing



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