

N Female Low PIM Connector Solder Attachment for SPP-250-LLPL, SPO-250, SPF-250 Cable



TC-250-NF-LP



Times Microwave Systems Connector Specification

Configuration

- · N Female Connector
- 50 Ohms
- · Straight Body Geometry

Features

- · Operating Frequency of 6 GHz Max.
- Good VSWR of 1.3:1
- PIM levels better than -160 dBc

Applications

- · General Purpose Test
- · Wireless Communications
- · Custom Cable Assemblies

- Connector Interface Types: SPP-250-LLPL, SPF-250, SPO-250, 1/4" Superflexible, FM-1/4SFHC
- · Low PIM Design
- · Silver Plated Brass Contact
- · 200 µin contact plating
- Low PIM Applications
- Distributed Antenna Systems (DAS)

Description

Type N Female Low PIM Connector Solder/Solder Attachment for SPP-250-LLPL, SPF-250, SPO-250, 1/4" Superflexible and FM-1/4SFHC Cable, part number TC-250-NF-LP, from Times Microwave offered by Fairview Microwave is in-stock and ships same day. This type N female connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. The type N female connector also has low passive intermodulation (PIM) of -160 dBc.

Times Microwave's type N female connector TC-250-NF-LP datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.3:1	
Insertion Loss			0.25	dB
Passive Intermodulation			-160	
Operating Voltage (AC)			4,000	Vrms
Insulation Resistance	10,000			MOhms
Impedance		50		Ohms

Electrical Specification Notes: Insertion Loss= -0.1*SQRT(F(GHz))

Mechanical Specifications

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 Length
 1.33 in [33.78 mm]

 Width
 0.94 in [23.88 mm]

 Height
 0.94 in [23.88 mm]





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TC-250-NF-LP

Weight Mating Cycles Mating Torque Cable Retention Force 0.1205 lbs [54.66 g] 500 Cycles 9.74 to 15 in-lbs [1.10 to 1.70 Nm] 200 lbs 90.72 kg

Material Specifications

Description	Material	Plating	
Contact	Brass	Silver	
		200 μin	
Insulation	PTFE		
Outer Conductor	Brass	Tri-Metal	
		100 μin	
Body	Brass	Tri-Metal	
		100 μin	
Gasket	Silicone Rubber		

Environmental Specifications

Temperature

-40 to +125 deg C Operating Range

Shock MIL-STD 202G, Method 213, Condition I MIL-STD 202G, Method 204, Condition B Vibration Thermal Shock MIL-STD 202G, Method 107, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

N Female Low PIM Connector Solder Attachment for SPP-250-LLPL, SPO-250, SPF-250 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: N Female Low PIM Connector Solder Attachment for SPP-250-LLPL, SPO-250, SPF-250 Cable TC-250-NF-LP

URL: https://www.fairviewmicrowave.com/n-female-spp-250-llpl-spf-250-spo-250-1-4-inch-superflexible-fm-1-4sfhc-connector-tc-250-nf-lp-p.aspx

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