

N Female Bulkhead Mount Low PIM Connector Solder Attachment for SPP-250-LLPL, SPF-250, SPO-250, 1/4" Superflexible, PE-1/4SFHC

RF Connectors Technical Data Sheet





TC-250-NF-BH-LP

Times Microwave Systems Connector Specification

Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: SPP-250-LLPL, SPF-250,
- SPO-250, 1/4" Superflexible, PE-1/4SFHC
- Bulkhead
- · Low PIM Design

Features

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

- Silver Plated Phosphor Bronze Contact
- 200 µin contact plating

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications
- Distributed Antenna Systems (DAS)

Description

Times Microwave's TC-250-NF-BH-LP type N female bulkhead connector offered by Pasternack with solder/solder attachment for Times' SPP-250-LLPL, SPF-250, SPO-250, 1/4" Superflexible and PE-1/4SFHC is part of our full line of RF components available for same-day shipping. Times Microwave's type N female connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. The Times type N female connector also has low passive intermodulation of -160 dBc. This type N bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Times Microwave's type N female bulkhead connector TC-250-NF-BH-LP datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.3:1	
Insertion Loss			0.244	dB
Passive Intermodulation			-160	dBc
Operating Voltage (DC)			1,500	Vdc
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			1	mOhms
Outer Conductor DC Resistance			1	mOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: N Female Bulkhead Mount Low PIM Connector Solder Attachment for SPP-250-LLPL, SPF-250, SPO-250, 1/4" Superflexible, PE-1/4SFHC TC-250-NF-BH-LP

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

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TIMES MICROWAVE SYSTEMS TC-250-NF-BH-LP

Insulation Resistance	5,000	MOhms

Mechanical Specifications

Size

 Length
 1.34 in [34.04 mm]

 Width/Dia.
 0.87 in [22.10 mm]

 Height
 0.87 in [22.1 mm]

Weight 0.0815 lbs [36.97 g]

Mating Cycles 500 Cycles

Mating Torque 6 to 10 in-lbs [0.68 to 1.13 Nm]

Cable Retention Force 84 lbs 38.1 kg

Material Specifications

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

Environmental Specifications

Temperature

Operating Range -40 to +125 deg C

Humidity

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

Environmental Specification Notes:

IEC 60068 55/125/21

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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N Female Bulkhead Mount Low PIM Connector Solder Attachment for SPP-250-LLPL, SPF-250, SPO-250, 1/4" Superflexible, PE-1/4SFHC from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.pasternack.com/n-female-spp-250-llpl-spf-250-connector-tc-250-nf-bh-lp-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

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