

4.3-10 Male Low PIM Connector Solder Attachment for SPP-250-LLPL, SPO-250, SPF-250 Cable

Times Microwave Systems Connector Specification

4.3-10 Male 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-250-4310M-LP, from Times Microwave offered by Fairview Microwave is in-stock and ships same day. This 4.3-10 male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. The 4.3-10 male connector also has low passive intermodulation (PIM) of -160 dBc.

Times Microwave's 4.3-10 male connector TC-250-4310M-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	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.3:1	
Insertion Loss			0.25	dB
Passive Intermodulation			-160	dBc
DWV (AC)			1,500	Vrms
Insulation Resistance	10,000			MOhms

Electrical Specification Notes:
Insertion Loss is $0.1 * \sqrt{f(\text{GHz})}$

Mechanical Specifications

Size	
Length	1.13 in [28.7 mm]
Width/Dia.	0.87 in [22.10 mm]
Height	0.87 in [22.1 mm]
Weight	0.116 lbs [52.62 g]
Mating Cycles	500 Cycles
Mating Torque	53.1 in-lbs [6 Nm]
Cable Retention Force	120 lbs [54.43 kg]

Material Specifications

Description	Material	Plating
Contact	Brass	Silver 200 µin
Insulation	PTFE	
Body	Brass	Tri-Metal 100 µin



Configuration:

- 4.3-10 Male Connector
- 50 Ohms
- Straight Body Geometry
- SPP-250-LLPL, SPF-250, SPO-250, 1/4" Superflexible, FM-1/4SFHC Interface Type
- Solder/Solder Attachment
- Low PIM Design

Features:

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.3:1
- PIM levels better than -160 dBc
- Silver Plated Brass Contact
- 200 µin contact plating

Applications:

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

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Coupling Nut	Brass	Tri-Metal 100 µin
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Environmental Specifications

Temperature

Operating Range	-40 to 125 deg C
Shock	MIL-STD 202, Method 213, Condition I
Vibration	MIL-STD 202, Method 204, Condition D
Thermal Shock	MIL-STD 202, Method 107, Condition B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

4.3-10 Male 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: [4.3-10 Male Low PIM Connector Solder Attachment for SPP-250-LLPL, SPO-250, SPF-250 Cable TC-250-4310M-LP](#)

URL: <https://www.fairviewmicrowave.com/4.3-10-male-spp-250-llpl-spo-250-spf-250-connector-tc-250-4310m-lp-p.aspx>

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