an INFINIT© brand

Low PIM RA 4.1/9.5 Mini DIN Male to QMA Male Plenum Cable SPP-250-LLPL Coax with LF Solder

The RA 4.1/9.5 Mini DIN male to QMA male cable using SPP-250-LLPL coax, part number FMCA1780, from Fairview Microwave is in-stock and ships same day. This Fairview 4.1/9.5 Mini DIN to QMA cable assembly has a male to male gender configuration with 50 ohm corrugated SPP-250-LLPL coax. Fairview Microwave's corrugated RF cable assemblies are ideal for applications where durability and high power are needed. Our low PIM design offers excellent passive intermodulation performance with PIM levels better than -150 dBc. The FMCA1780 4.1/9.5 Mini DIN male to QMA male cable assembly operates to 5.8 GHz. The right angle 4.1/9.5 Mini DIN interface on the SPP-250-LLPL cable allows for easier connections in tight spaces.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

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Description	Min	т	ур	Мах	ι	Inits
Frequency Range	DC			5.8		GHz
VSWR				1.4:1		
Velocity of Propagation		7	76			%
RF Shielding	100					dB
Passive Intermodulation				-150		dBc
Capacitance		27 [8	38.58]		pF/f	t [pF/m]
Inductance	0.067 [0.22] uH/ft [uH		t [uH/m]			
DC Resistance Inner Cor	nductor	3 [9	9.84]		Ω/100	0ft [Ω/Km]

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.45	0.7	1	2.5	5.8	GHz
Insertion Loss (Max	.) 0.038	0.048	0.057	0.094	0.148	dB/ft
	0.12	0.16	0.19	0.31	0.49	dB/m

Electrical Specification Notes:

Insertion loss does not include the loss of the connectors. Insertion loss is estimated as 0.04*SQRT(FGHz) dB per connector.

Mechanical Specifications

Cable Assembly Length*

Cable Cable Type Impedance 0 in [0 mm]

SPP-250-LLPL 50 Ohms



FMCA1780

DATA SHEET

Configuration:

- 4.1/9.5 Mini DIN Male Right
- AngleOMA Male
- SPP-250-LLPL

Features:

- Max Frequency 5.8 GHz
- Low PIM: -150 dBc Max
- Shielding Effectivity > 100 dB
- 76% Phase Velocity
- FEP Jacket
- IP67 (Mated)
- Low Loss with Excellent VSWR
- PIM Test Results Marked on Each Cable
- UL910 Plenum Rated Cable
- Extremely Flexible and Lightweight

Applications:

- General Purpose
- Laboratory Use
- Low PIM Applications
- DAS
- Mobile Networks
- In-Building Wireless
- Small Cells
- PIM Testing

Cable Diagram:

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com Fairview Microwave an INFINIT<sup>
B</sup> brand



Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper
Dielectric Type	PTFE
Number of Shields	1
Outer Conductor Material and Plating	Copper
Jacket Material	FEP, Blue
Jacket Diameter	0.28 in [7.11 mm]
One Time Minimum Bend Radius	1.25 in [31.75 mm]

Bending Moment

mm] 0.8 lbs-ft [1.08 N-m]

Connectors

Description	Connector 1	L Connecto	or 2
Туре	4.1/9.5 Mini DIN	Male QMA Ma	le
Impedance	50 Ohms	50 Ohm	S
Contact Material & Plating	Brass, Silver	Brass, Silv	/er
Dielectric Type	PTFE	PTFE	
Outer Cond Material & Plat	ing	Phosphor Bronze	, Tri-Metal
Body Material & Plating	Brass, Tri-Meta	Brass, Tri-Metal	
Coupling Nut Material & Pla	iting	Brass, Tri-M	letal

Environmental Specifications

Temperature Operating Range

-55 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration:

FMCA1780 - xx

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cm = Centimeters <blank> = Inches

Length

Example: FMCA1780-12 = 12 inches long cable FMCA1780-100cm = 100 cm long cable

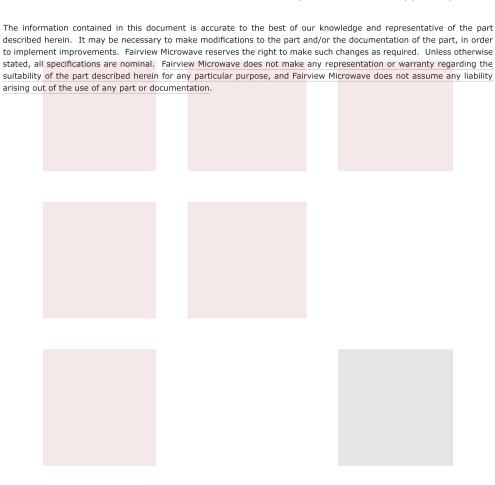




Low PIM RA 4.1/9.5 Mini DIN Male to QMA Male Plenum Cable SPP-250-LLPL Coax with LF Solder from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: Low PIM RA 4.1/9.5 Mini DIN Male to QMA Male Plenum Cable SPP-250-LLPL Coax with LF Solder FMCA1780

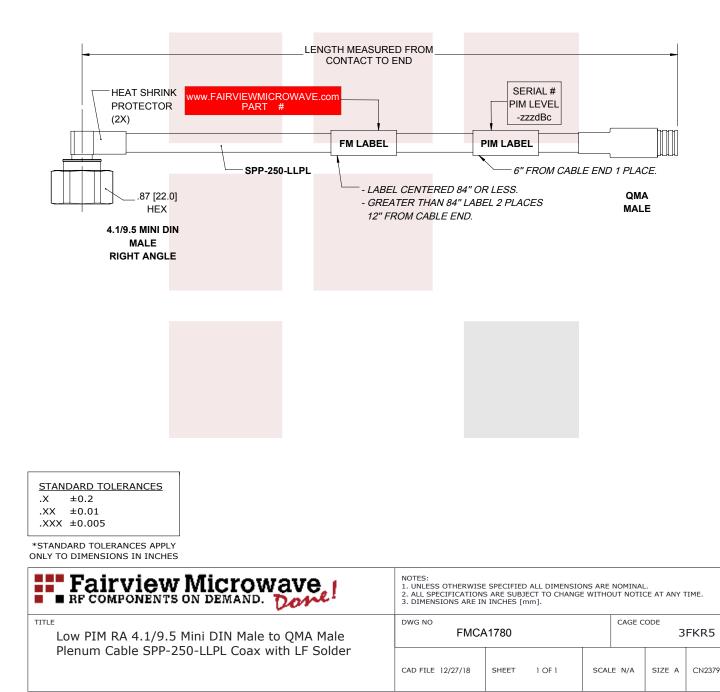
URL: https://www.fairviewmicrowave.com/ra-4.1-9.5-mini-din-male-qma-male-cable-spp250llpl-coax-fmca1780-p.aspx



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