

FMCN1440 DATA SHEET

RA 7/16 DIN Male Connector Solder Attachment For SPP-250-LLPL Cable Low PIM

RA 7/16 DIN male connector with solder/solder attachment for SPP-250-LLPL, part number FMCN1440, from Fairview Microwave is in-stock and ships same day. This 7/16 DIN male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. The 7/16 DIN male connector also has low passive intermodulation (PIM) of -165 dBc. Its right angle body geometry facilitates connections in tight spaces.

Fairview's RA 7/16 DIN male connector FMCN1440 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	Тур	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.3:1	
Insertion Loss			0.1	dB
Passive Intermodulation			-165	dBc
Operating Voltage (AC)			250	Vrms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes: Insertion Loss is 0.04*sqrt(FGHz)

Mechanical Specifications

Weight

0.1985 lbs [90.04 g]

Material Specifications

Description	Material	Plating		
Contact	Brass	Silver		
Insulation	PTFE			
Body	Brass	Tri-Metal		
Coupling Nut	Brass	Tri-Metal		
Gasket	Silicone Rubber			
Crimp Sleeve	Brass	Tri-Metal		



Configuration:

- 7/16 DIN Male Connector
- 50 Ohms
- Right Angle Body Geometry
- SPP-250-LLPL Interface Type
- Solder/Solder Attachment

Features:

- Operating Frequency of 6 GHz Max.
- Good VSWR of 1.3:1
- PIM levels better than -165 dBc
- Silver Plated Brass Contact

Applications:

- General Purpose Test
- Custom Cable Assemblies
- Low PIM Interconnects
- Distributed Antenna Systems (DAS)
- Low PIM Jumpers
- Low PIM Testing
- Low PIM Connections

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





Environmental Specifications

Temperature

Operating Range

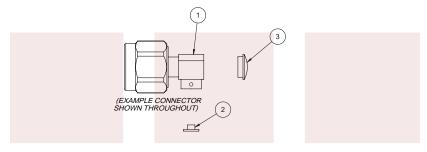
-55 to +165 deg C

Compliance Certifications (see product page for current document)

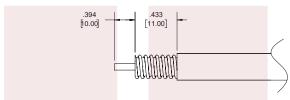
Plotted and Other Data

Notes:

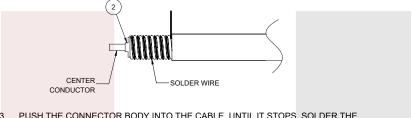
Assembly Instruction



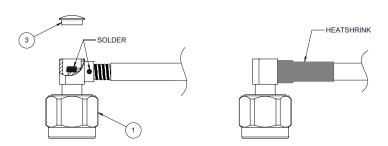
1. STRIP CABLE AS SHOWN, CHAMFER CENTER CONDUCTOR AND DEBURR CABLE.



 SLIDE INSULATOR ② OVER CABLE CENTER CONDUCTOR AND WRAP THE CABLE BY SOLDER WIRE.



3. PUSH THE CONNECTOR BODY INTO THE CABLE, UNTIL IT STOPS. SOLDER THE CONNECTOR BODY WITH CABLE. SOLDER THE INNER CONDUCTOR. PRESS THE CAP (3) INTO BODY AND COVER HEATSHRINK SLEEVE.







RA 7/16 DIN Male Connector Solder Attachment For SPP-250-LLPL Cable Low PIM 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 Allen, Texas. Fairview Microwave is RF on-demand.

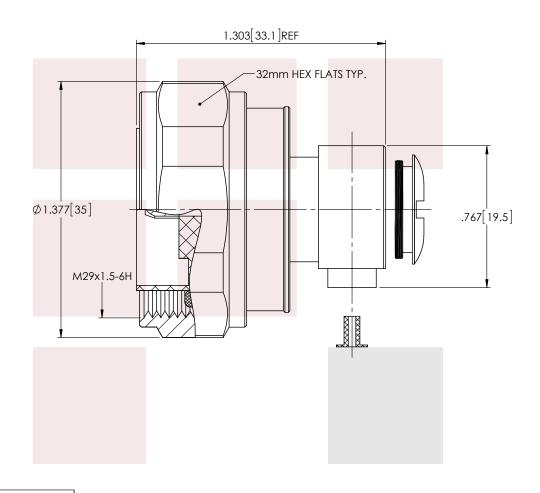
For additional information on this product, please click the following link: RA 7/16 DIN Male Connector Solder Attachment For SPP-250-LLPL Cable Low PIM FMCN1440

URL: https://www.fairviewmicrowave.com/7-16-din-male-spp-250-llpl-connector-fmcn1440-p.aspx









STANDARD TOLERANCES .X ±0.2

.X ±0.2 .XX ±0.01 .XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM	NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].					
RA 7/16 DIN Male Connector Solder Attachment For SPP-250-LLPL Cable Low PIM	DDM22A-A44W01		CAGE CODE 3FKR5			
	CAD FILE 12/14/17	SHEET	SCAL	LE N/A SIZE A	CN2245	