

N Male Low PIM Connector Solder Attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR141CUTN-COIL Cable

Type N male connector with solder/solder attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR and FM-SR141CUTN-COIL, part number FMCN1927, from Fairview Microwave is in-stock and ships same day. This type N male connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.15:1. The type N male connector also has low passive intermodulation (PIM) of -155 dBc.

Fairview's type N male connector FMCN1927 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			1.15:1	
Passive Intermodulation			-155	dBc
DWV (AC)			750	Vrms

Mechanical Specifications

Size	
Length	0.88 in [22.35 mm]
Width/Dia.	0.85 in [21.59 mm]
Height	0.85 in [21.59 mm]
Weight	0.104 lbs [47.17 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal
Coupling Nut	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range -40 to +155 deg C

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

Plotted and Other Data

Notes:



Configuration:

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR-141CUTN-COIL Interface Type
- Solder/Solder Attachment
- Low PIM Design

Features:

- Operating Frequency of 6 GHz Max.
- Excellent VSWR of 1.15:1
- PIM levels better than -155 dBc
- Silver Plated Brass Contact

Applications:

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

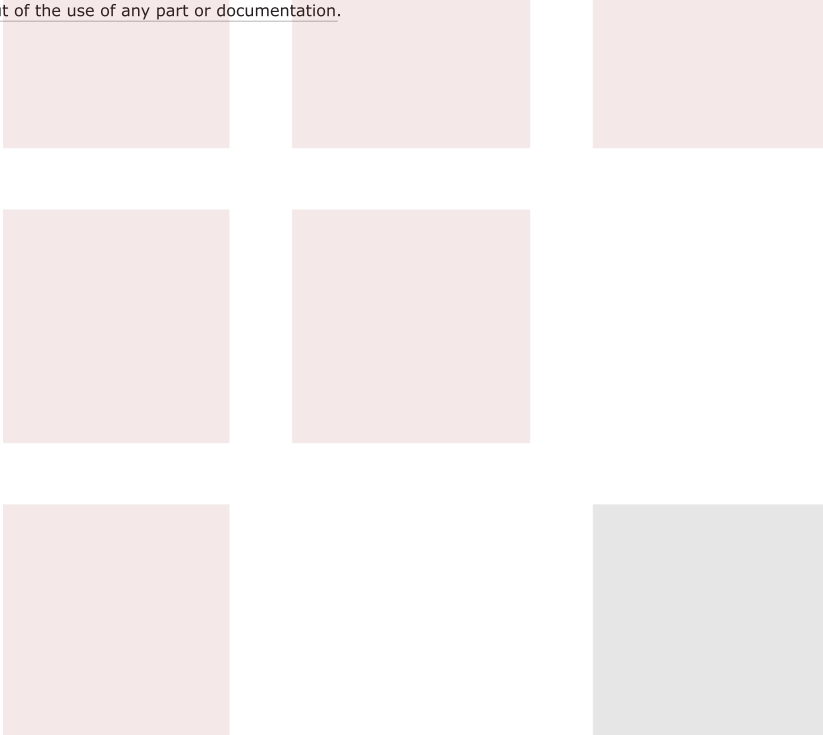
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N Male Low PIM Connector Solder Attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR141CUTN-COIL Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

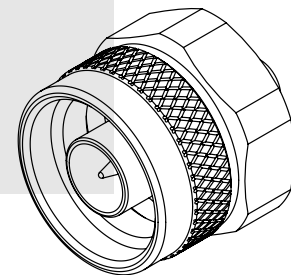
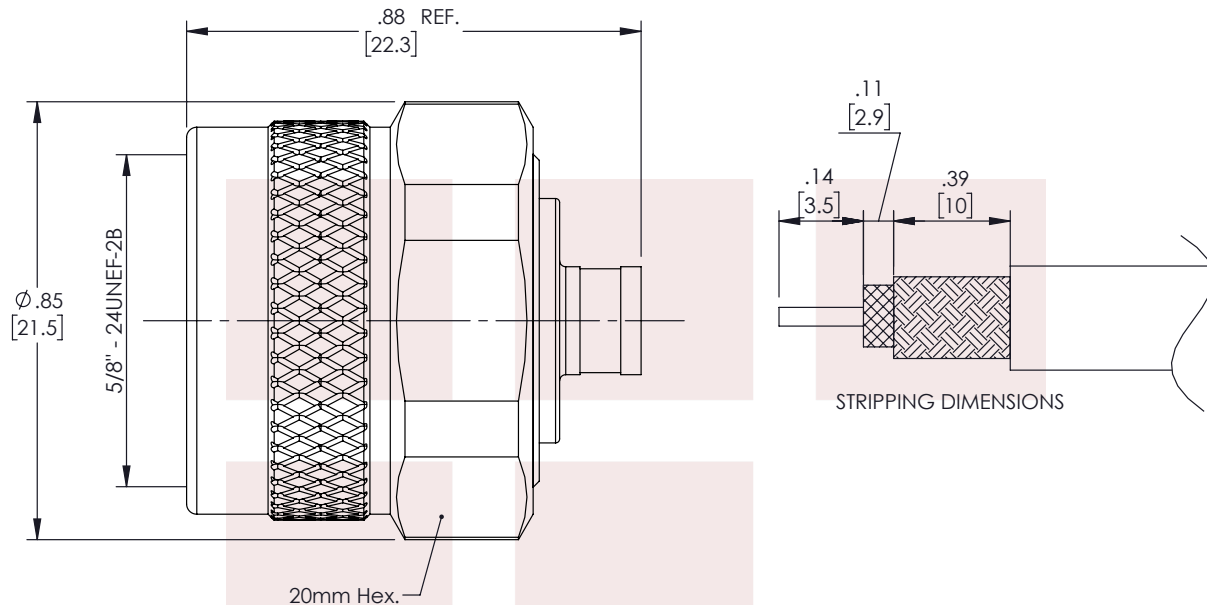
For additional information on this product, please click the following link: [N Male Low PIM Connector Solder Attachment for FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-SR141CUTN-COIL Cable FMCN1927](#)

URL: <https://www.fairviewmicrowave.com/n-male-fm-sr141tb-fm-sr141tbj-fm-sr141cu-str-fm-sr141cutn-coil-connector-fmcn1927-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	8/17/2022	AGANWANI



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TITLE

N Male Low PIM Connector Solder Attachment for
FM-SR141TB, FM-SR141TBJ, FM-SR141CU-STR, FM-
SR141CUTN-COIL Cable

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

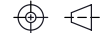
.X = ±.2 [5.08] FRACTIONS
.XX = ±.02 [.51] ± 1/32
XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY PSRINIVAS	ITEM NO. FMCN1927	REV A
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T-Rev.D

TNC Female Connector Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141TBJ, FM-SR141CUTN, RG402

TNC female connector with solder/solder attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141TBJ, FM-SR141CUTN and RG402, part number FMCN1878, from Fairview Microwave is in-stock and ships same day. This TNC female connector operates up to a maximum frequency of 6 GHz.

Fairview's TNC female connector FMCN1878 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

Mechanical Specifications

Size	
Length	0.83 in [21.08 mm]
Width/Dia.	0.472 in [11.99 mm]
Height	0.5 in [12.7 mm]
Weight	0.079 lbs [35.83 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel
Insulation	PTFE	
Body	Brass	Nickel

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

Plotted and Other Data

Notes:



Configuration:

- TNC Female Connector
- 50 Ohms
- Straight Body Geometry
- FM-SR141ALTN, FM-SR141TB, FM-SR141TBJ, FM-SR141CUTN, RG402 Interface Type
- Solder/Solder Attachment

Features:

- Operating Frequency of 6 GHz Max.
- Gold over Nickel Plated Beryllium Copper Contact

Applications:

- General Purpose Test
- Custom Cable Assemblies

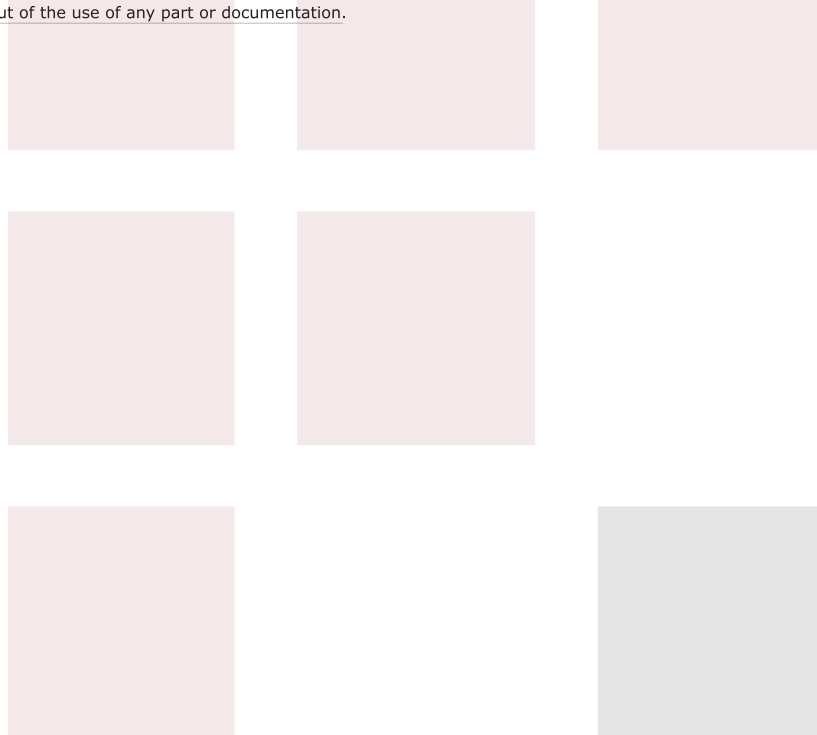
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TNC Female Connector Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141TBJ, FM-SR141CUTN, RG402 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

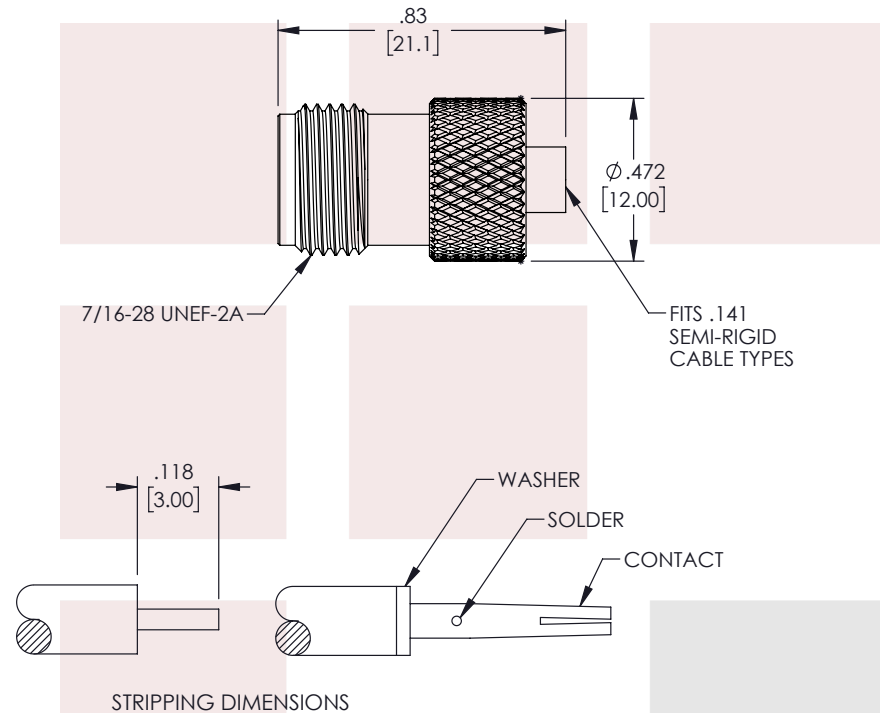
For additional information on this product, please click the following link: [TNC Female Connector Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141TBJ, FM-SR141CUTN, RG402 FMCN1878](#)

URL: <https://www.fairviewmicrowave.com/tnc-female-fm-sr141altn-fm-sr141tb-fm-sr141tbj-fm-sr141cutn-rg402-connector-fmcn1878-p.aspx>

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
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/21/2022	AGANWANI



ASSEMBLY PROCEDURE

1.
- STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2.
- PLACE WASHER OVER CENTER CONDUCTOR. SLIDE CONTACT OVER CONDUCTOR UNTIL IT BOTTOMS OUT. SOLDER CONTACT TO CENTER CONDUCTOR.
3.
- INSERT CABLE INTO BODY UNTIL IT MATES. SOLDER OUTER CONDUCTOR TO BODY.

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<div><div><div></div><div></div><div></div><div></div></div><div><div>Fairview Microwave</div><div>an INFINITE brand</div></div></div>		UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		THIRD-ANGLE PROJECTION 	
TITLE TNC Female Connector Solder Attachment for FM-SR141ALTN, FM-SR141TB, FM-SR141TBJ, FM-SR141CUTN, RG402		TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
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		SIZE A		CAGE CODE 3FKR5	
		DRAWN BY A.KRESOWSKI		ITEM NO. FMCN1878	
				SCALE N/A	
				SHEET 1 OF 1	
				REV A	

T-Rev.D

RG402 Type .141 Semi-Rigid Coax Cable with a Tin Plated Aluminum Outer Conductor in Coiled Sections

.141 diameter semi-rigid coaxial cable is the cable of choice for many RF and Microwave engineers. 0.141 cables sometimes referred to as RG402 based on the mil specification for semi-rigid cable of this diameter has a maximum operating frequency of 36 GHz. This form factor is widely used in the RF industry and many connector series and configurations are available for this cable. Because of the solid copper wall design the cable can be formed using proper tooling with a minimum inside bend radius of 0.125 inches.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		36	GHz
Impedance		50		Ohms
DWV (AC)			5,000	Vrms

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	20			GHz
Attenuation, Typ	13 42.65	46 150.92	71 232.94			dB/100ft dB/100m
Power In (CW), Max	450	120	70			Watts

Mechanical Specifications

Min. Bend Radius (Installation) 0.125 in [3.18 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver	0.036 in [0.91 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.118 in [3 mm]
Outer Conductor	Aluminum, Tin	0.141 in [3.58 mm]

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:



Configuration:

- Semi-Rigid Cable
- 0 Shield(s)

Features:

- Silver Plated Copper Clad Steel center conductor
- PTFE dielectric material
- Aluminum Tinned Outer Conductor
- Operating to 36 GHz
- Minimum inside bend radius of 0.125 inches
- ROHS compliant

Applications:

- RF and Microwave Cable Assemblies to 36 GHz
- Preformed cable assemblies to insure fit and layout
- Test Equipment port jumpers

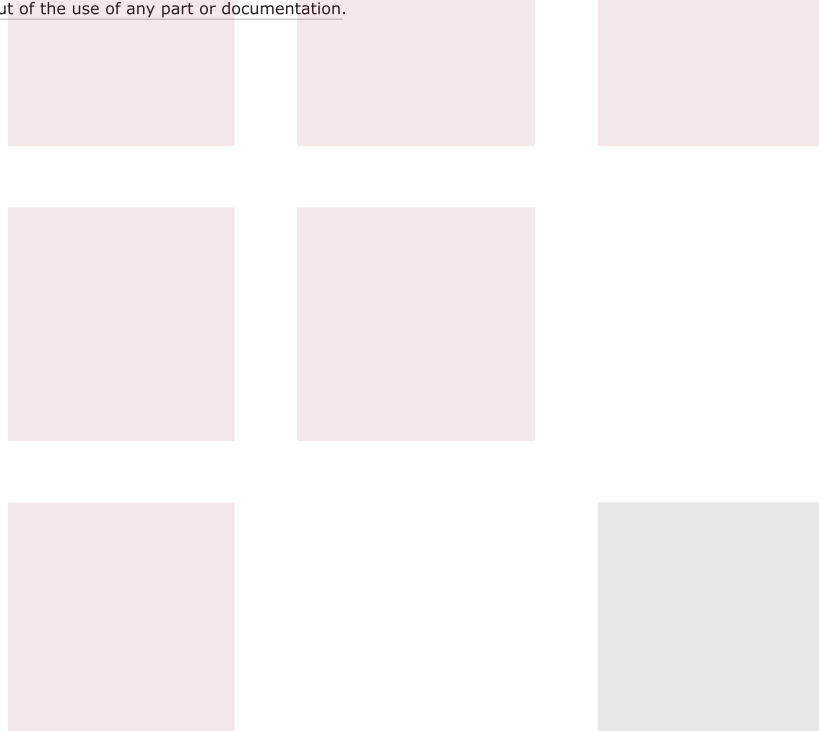
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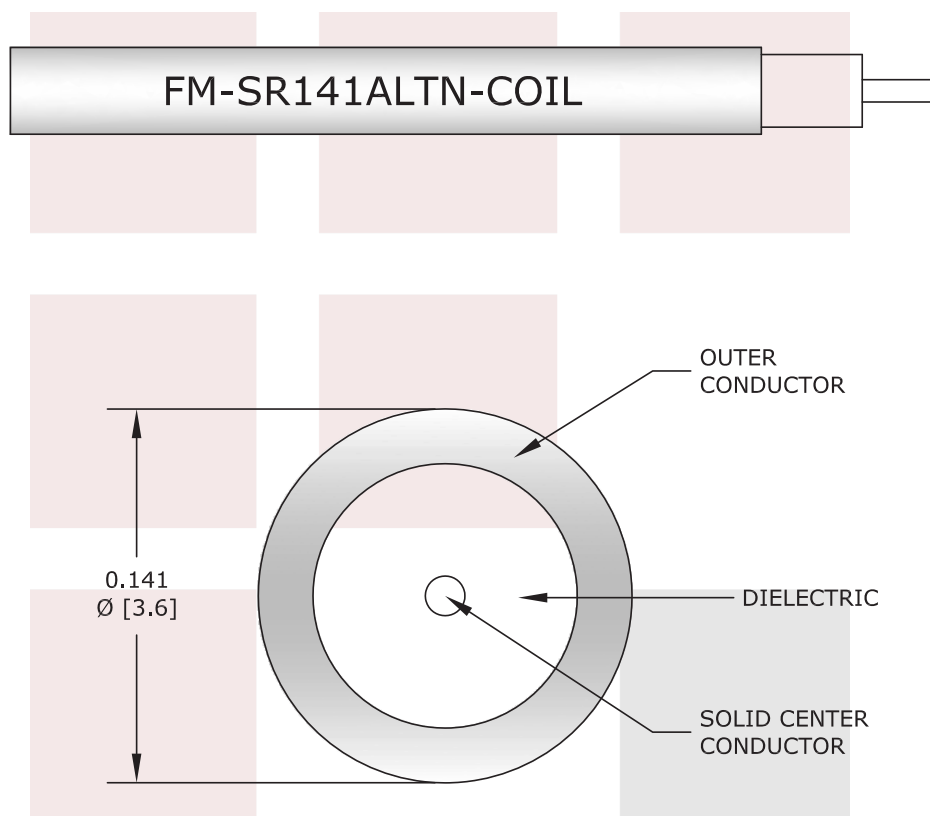
RG402 Type .141 Semi-Rigid Coax Cable with a Tin Plated Aluminum Outer Conductor in Coiled Sections from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RG402 Type .141 Semi-Rigid Coax Cable with a Tin Plated Aluminum Outer Conductor in Coiled Sections FM-SR141ALTN-COIL](#)

URL: <https://www.fairviewmicrowave.com/rg402-type-.141-semi-rigid-coax-cable-tin-plated-aluminum-fm-sr141altn-coil-p.aspx>

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	CAD FILE 012716	SHEET	SCALE N/A	SIZE A	2233