

HN Male Right Angle Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, LMR-195 Cable

FMCN45902 HN male right angle coax connector has an interface type of HN male which is compatible with RG55, RG58, RG141, RG142, RG223, RG303, RG400 and LMR-195 cables and has a 50 Ohms impedance. Fairview Microwave's HN male connector uses clamp/solder as an attachment method.

The Fairview Microwave HN male coax connector has a PTFE dielectric type. Fairview Microwave's HN coax connector has a brass body with nickel plating. This threaded RF connector can operate at temperatures ranging from -65 to +165 degrees C. Additional RF connector specs and dimensions for this component can be found on its PDF specification datasheet and CAD drawings above.

This HN male RF connector with coax termination is designed to be used with RG55, RG58, RG141, RG142, RG223, RG303, RG400 and LMR-195 cables. Our high-quality FMCN45902 connector features a QQ-N-290 body plating specification. This HN connector has a silver inner contact plating.

This Fairview Microwave male HN connector will ship the same business day as purchased. Our HN male connector is part of over 40,000 RF, microwave, and millimeter wave components in stock for worldwide shipment. For further information on similar products, our expert technical support and trained sales team can get you the ideal RF connector as per your requirements.

Mechanical Specifications

Size	
Length	1.75 in [44.45 mm]
Width/Dia.	0.9 in [22.86 mm]
Height	1.47 in [37.34 mm]
Weight	0.161 lbs [73.03 g]

Material Specifications

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:



Configuration:

- HN Male Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry
- RG55, RG58, RG141, RG142, RG223, RG303, RG400, LMR-195 Interface Type
- Clamp/Solder Attachment

Features:

- Silver Plated Contact
- Contact plating according to QQ-S-365

Applications:

- General Purpose Test
- Custom Cable Assemblies

Fairview Microwave
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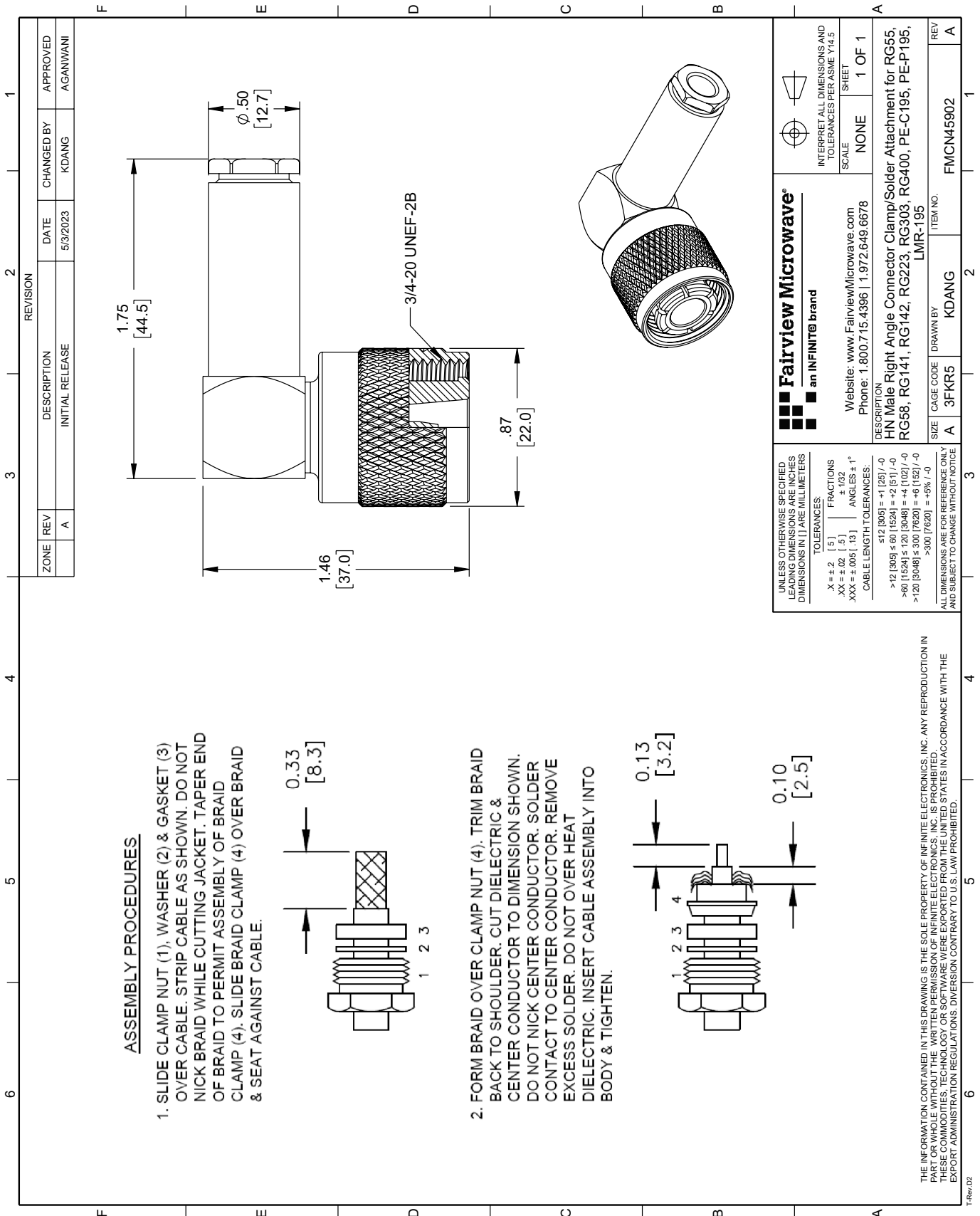
HN Male Right Angle Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, LMR-195 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [HN Male Right Angle Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, LMR-195 Cable FMCN45902](#)

URL: <https://www.fairviewmicrowave.com/hn-male-rg55-rg58-rg141-rg142-rg223-rg303-rg400-lmr-195-connector-fmcn45902-p.aspx>

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ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST CABLE.
2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.

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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
A		INITIAL RELEASE	5/3/2023	KDANG	AGANWANI

REVISION	DESCRIPTION	DATE	CHANGED BY	APPROVED
	INITIAL RELEASE	5/3/2023	KDANG	AGANWANI

<p>Fairview Microwave® an INFINITE® brand</p> <p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>	<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p>
	<p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
<p>DESCRIPTION: HN Male Right Angle Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, PE-C195, PE-P195, LMR-195</p>	
<p>SIZE: A</p> <p>CAGE CODE: 3FKR5</p> <p>DRAWN BY: KDANG</p> <p>ITEM NO.: FMCN45902</p>	<p>REV: A</p>

<p>UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>.X ± .2 [.5] FRACTIONS ± 1/32</p> <p>.XX ± .02 [.5] ANGLES ± 1°</p> <p>.XXX ± .005 [.13]</p> <p>CABLE LENGTH TOLERANCES:</p> <p>≤ 12 [305] = +1 [25] / -0</p> <p>> 12 [305] ≤ 60 [1524] = +2 [51] / -0</p> <p>> 60 [1524] ≤ 120 [3048] = +4 [102] / -0</p> <p>> 120 [3048] ≤ 300 [7620] = +6 [152] / -0</p> <p>> 300 [7620] = +5% / -0</p>	<p>ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE</p>
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Material Specifications

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C

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

Plotted and Other Data

Notes:



Configuration:

- HN Male Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry
- RG55, RG58, RG141, RG142, RG223, RG303, RG400, LMR-195 Interface Type
- Clamp/Solder Attachment

Features:

- Silver Plated Contact
- Contact plating according to QQ-S-365

Applications:

- General Purpose Test
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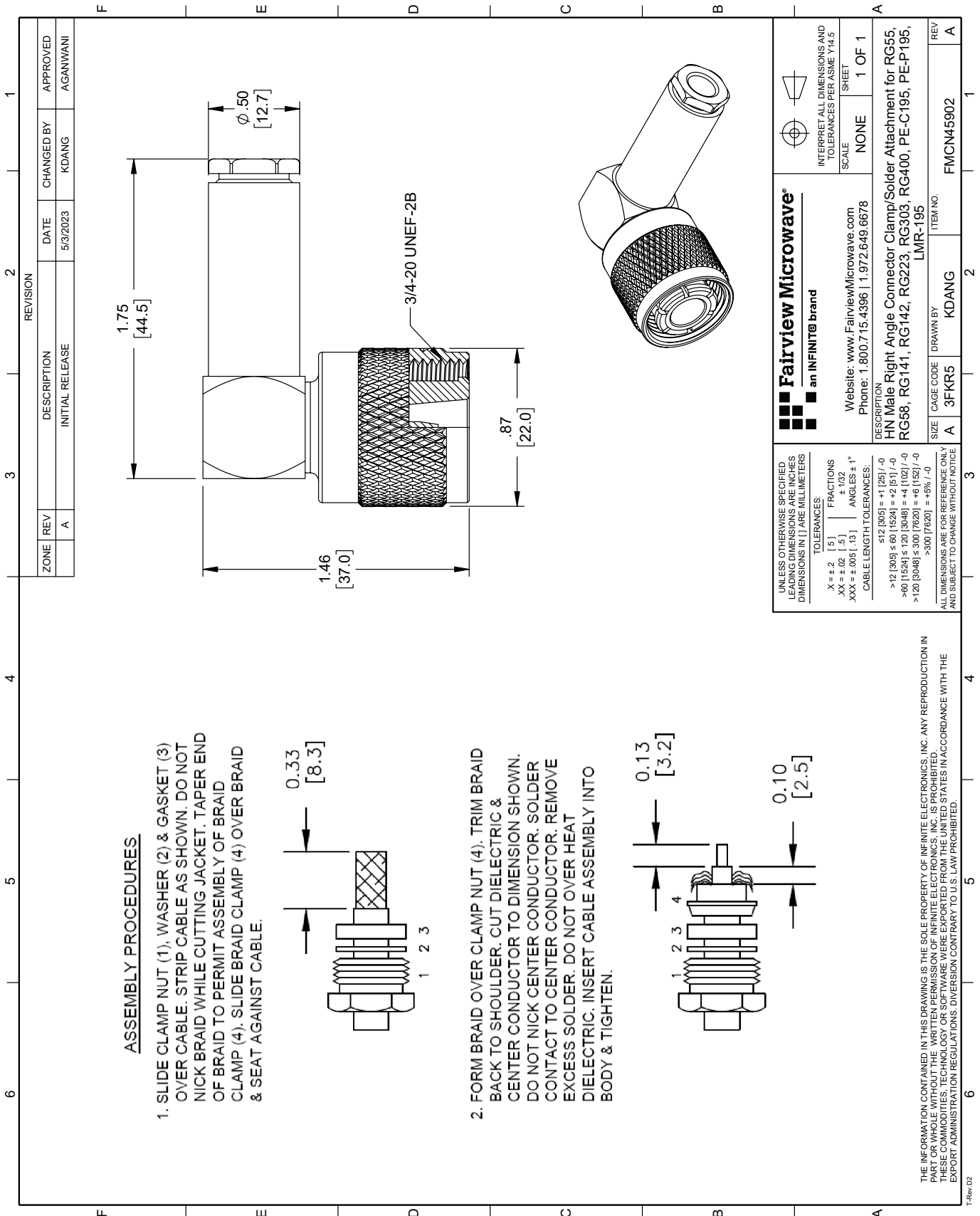
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For additional information on this product, please click the following link: [HN Male Right Angle Connector Clamp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG303, RG400, LMR-195 Cable FMCN45902](#)

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RG142 Flexible Coax Cable Tan FEP Jacket

Electrical Specifications



Description	Min	Typ	Max	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Operating Voltage (AC)			1,900	Vrms
Nominal Capacitance		29.39		pF/ft
		[96.42]		[pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.4	1	3	5	GHz
Attenuation, Typ	3.9	7.9	12.9	23.9	32.1	dB/100ft
	12.8	25.92	42.32	78.41	105.31	dB/100m

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.0425 lbs/ft [0.06 Kg/m]
Min. Bend Radius (Repeated)	1 in [25.4 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strands	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.116 in [2.95 mm]
First Shield	Silver Plated Copper Braid	
Second Shield	Silver Plated Copper Braid	0.156 in [3.96 mm]
Jacket	FEP, Tan	0.195 in [4.95 mm]

Environmental Specifications

Temperature

Operating Range	-55 to +200 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Configuration:

- Flexible Cable
- 2 Shield(s)

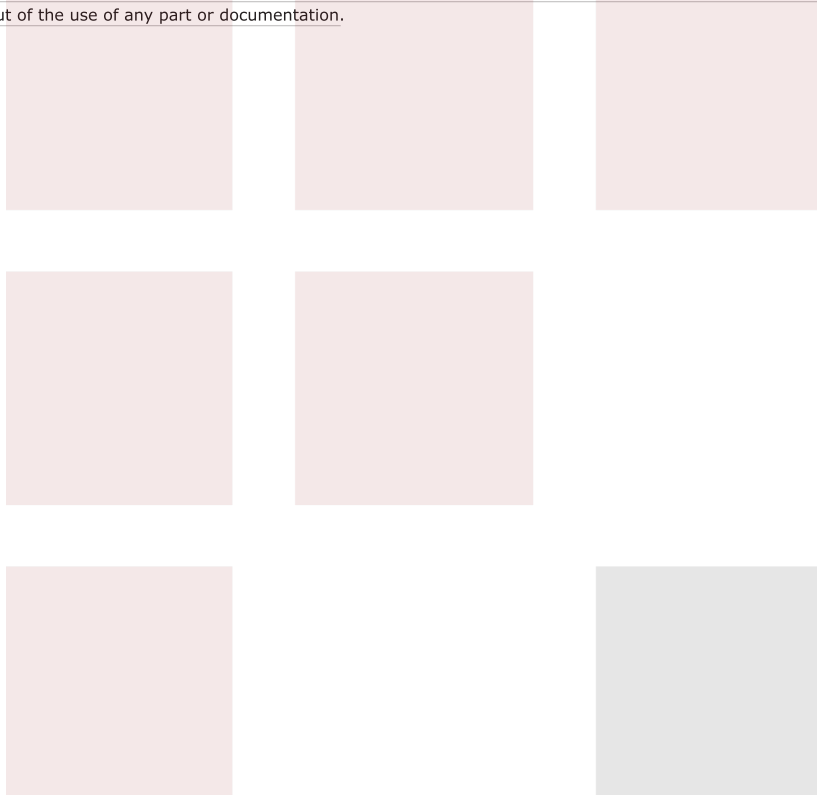
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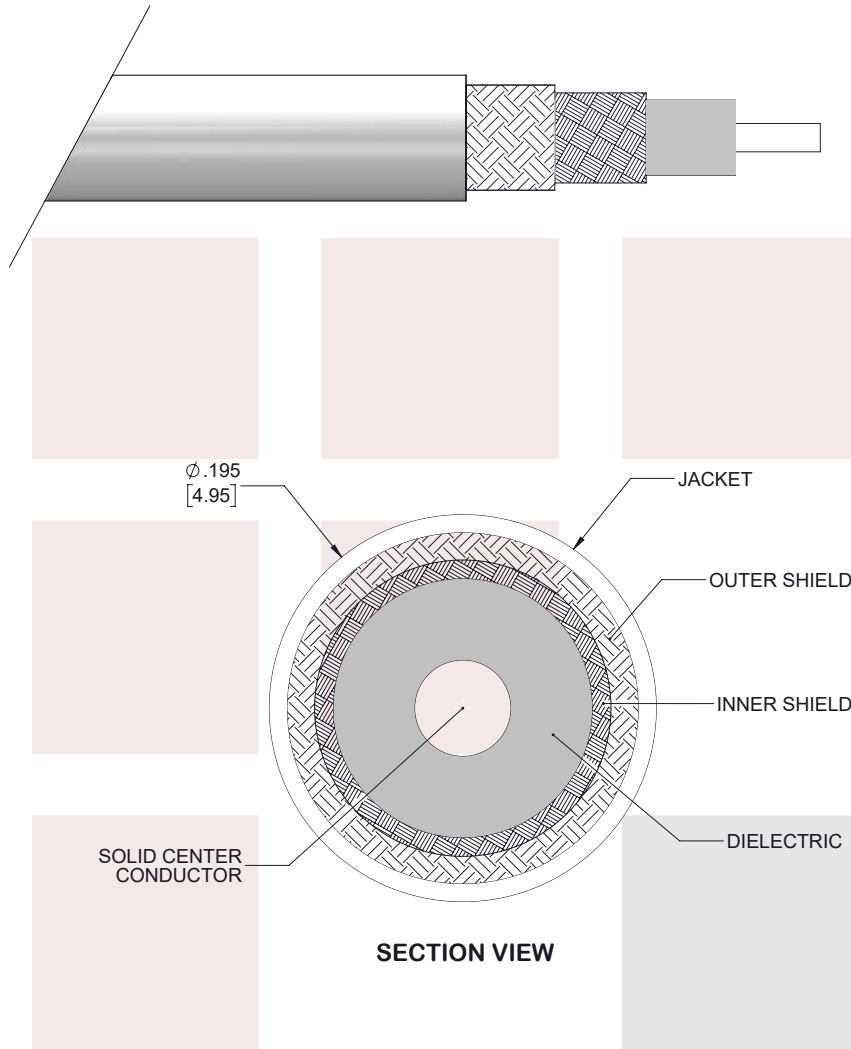
RG142 Flexible Coax Cable Tan FEP Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RG142 Flexible Coax Cable Tan FEP Jacket RG142](#)

URL: <https://www.fairviewmicrowave.com/rg142-flexible-coax-cable-fep-jacket-rg142-p.aspx>

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

		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].				
TITLE RG142 Flexible Coax Cable Tan FEP Jacket		DWG NO RG142		CAGE CODE 3FKR5		
CAD FILE	05/14/18	SHEET	1 OF 1	SCALE	N/A	SIZE A 7361