

BMMA Male (Plug) Bulkhead Connector Solder Attachment for FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, 0.085 Cable



FMCN5137

Configuration

- BMMA Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-F086, 0.085 Cable, RG405
- Bulkhead

Features

- Operating Frequency of 28 GHz Max.
- Good VSWR of 1.35:1
- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

BMMA Male Bulkhead Standard Bulkhead Connector Solder Attachment for FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, FM-F086, 0.085 Cable and RG405 Cable, part number FMCN5137, from Fairview Microwave is in-stock and ships same day. This BMMA male connector operates up to a maximum frequency of 28 GHz and offers good VSWR of 1.35:1. Fairview's FMCN5137 bulkhead BMMA connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Fairview's BMMA male bulkhead connector FMCN5137 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		28	GHz
VSWR			1.35:1	
Insertion Loss			0.529	dB
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.6 in [15.24 mm]
Width	0.3 in [7.62 mm]
Height	0.3 in [7.62 mm]
Weight	0.004 lbs [1.81 g]
Mating Cycles	500 Cycles

BMMA Male (Plug) Bulkhead Connector Solder Attachment
for FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN,
FM-SR086TB, FM-SR086TBJ, 0.085 Cable



FMCN5137

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Outer Conductor	Beryllium Copper	Gold
Body	Stainless Steel	Gold

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C

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

Plotted and Other Data

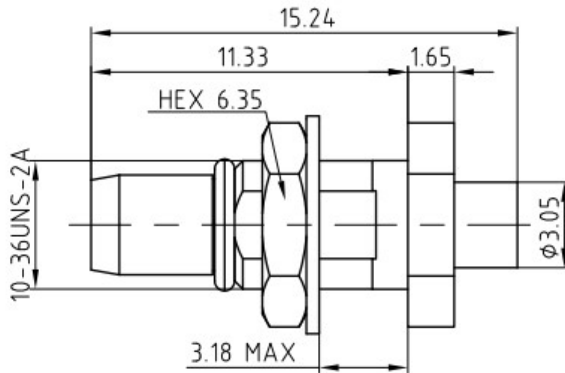
Notes:

BMMA Male (Plug) Bulkhead Connector Solder Attachment
for FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN,
FM-SR086TB, FM-SR086TBJ, 0.085 Cable

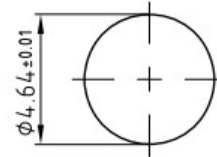
FMCN5137



Assembly Instruction

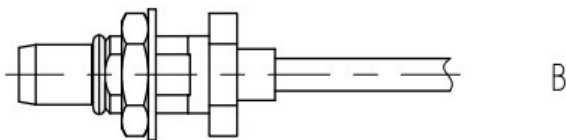
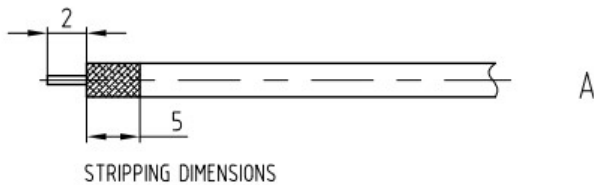


RECOMMENDED MOUNTING HOLE

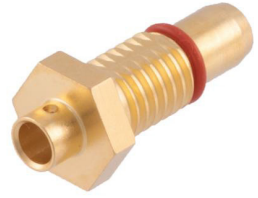


ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK INNER CONDUCTOR.
2. PRE-TIN CABLE JACKET TO APPROXIMATE DIMENSION AS SHOWN IN (A).
3. INSERT CABLE THRU ADAPTER UNTIL IT BOTTOMS. SOLDER



BMMA Male (Plug) Bulkhead Connector Solder Attachment
for FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN,
FM-SR086TB, FM-SR086TBJ, 0.085 Cable



FMCN5137

BMMA Male (Plug) Bulkhead Connector Solder Attachment for FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, 0.085 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.

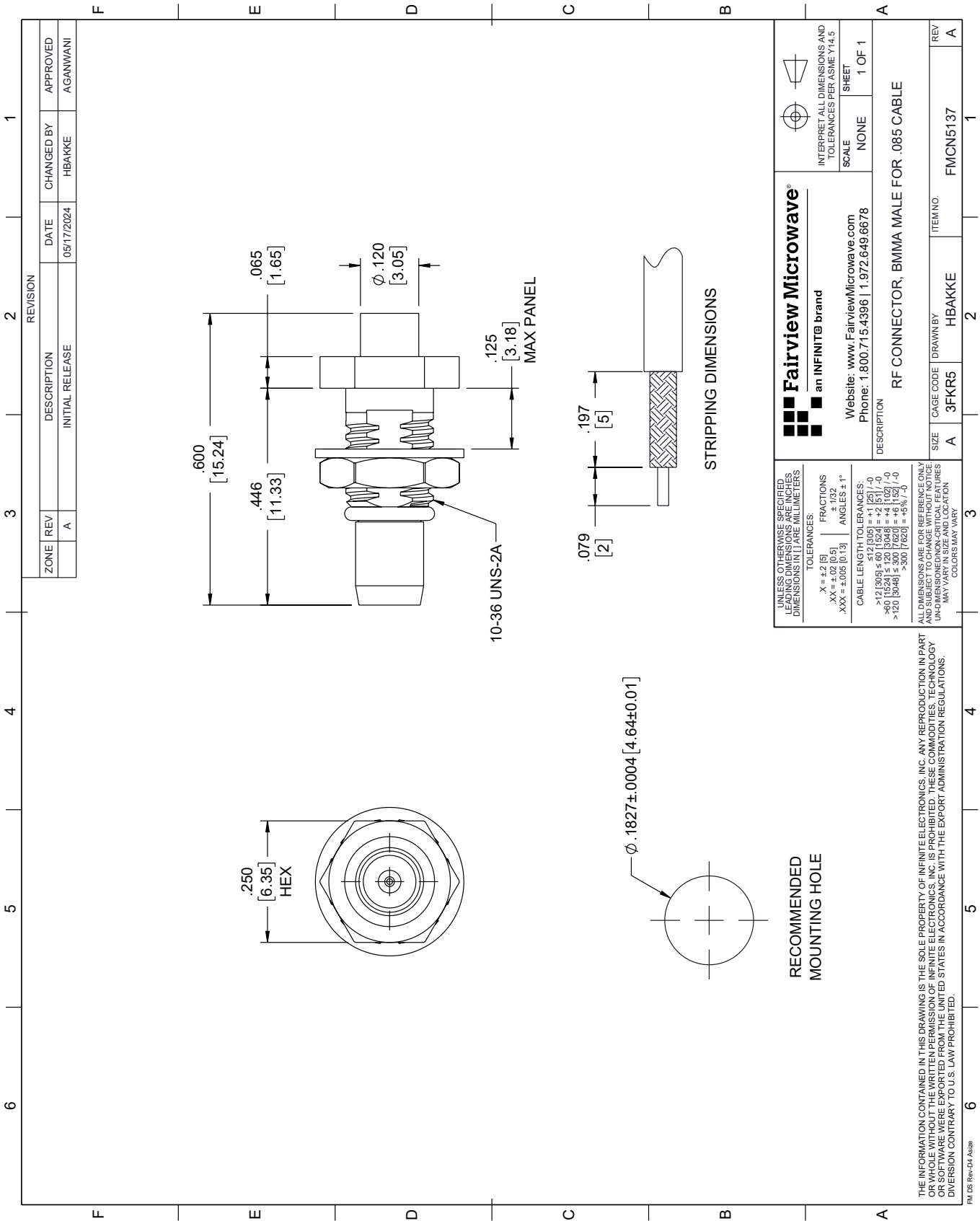
For additional information on this product, please click the following link: [BMMA Male \(Plug\) Bulkhead Connector Solder Attachment for FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, 0.085 Cable FMCN5137](https://www.fairviewmicrowave.com/bmma-male-connector-fmcn5137-p.aspx)

URL: <https://www.fairviewmicrowave.com/bmma-male-connector-fmcn5137-p.aspx>

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FMCN5137 CAD Drawing

BMMA Male (Plug) Bulkhead Connector Solder Attachment for FM-SR086CU, FM-SR086CUTN, FM-SR086ALTN, FM-SR086TB, FM-SR086TBJ, 0.085 Cable



SMP Male Bulkhead Smooth Bore CM Connector Solder Attachment For RG405, RG405 Tinned, .086 SR Cable

SMP male smooth bore CM bulkhead connector with solder/solder attachment for RG405, RG405 Tinned and .086 SR, part number SC5161, from Fairview Microwave is in-stock and ships same day. This SMP male connector operates up to a maximum frequency of 40 GHz and offers excellent VSWR of 1.25:1. This blind mate connector is ideal for applications without direct visual or tactile access to the connection point, for example, when two circuit boards need to be mated. Fairview's SC5161 bulkhead SMP connector enables designers to make external connections on product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Fairview's SMP male bulkhead connector SC5161 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		40	GHz
VSWR			1.25:1	

Mechanical Specifications

Size	
Length	0.51 in [12.95 mm]
Width/Dia.	0.23 in [5.84 mm]
Weight	0.00088 lbs [0.4 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE	
Body	Beryllium Copper	Gold MIL-G-45204

Environmental Specifications

Temperature	
Operating Range	-55 to +125 deg C

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

Plotted and Other Data

Notes:



Configuration:

- Smooth Bore CM SMP Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG405, RG405 Tinned, .086 SR Interface Type
- Solder/Solder Attachment
- Bulkhead

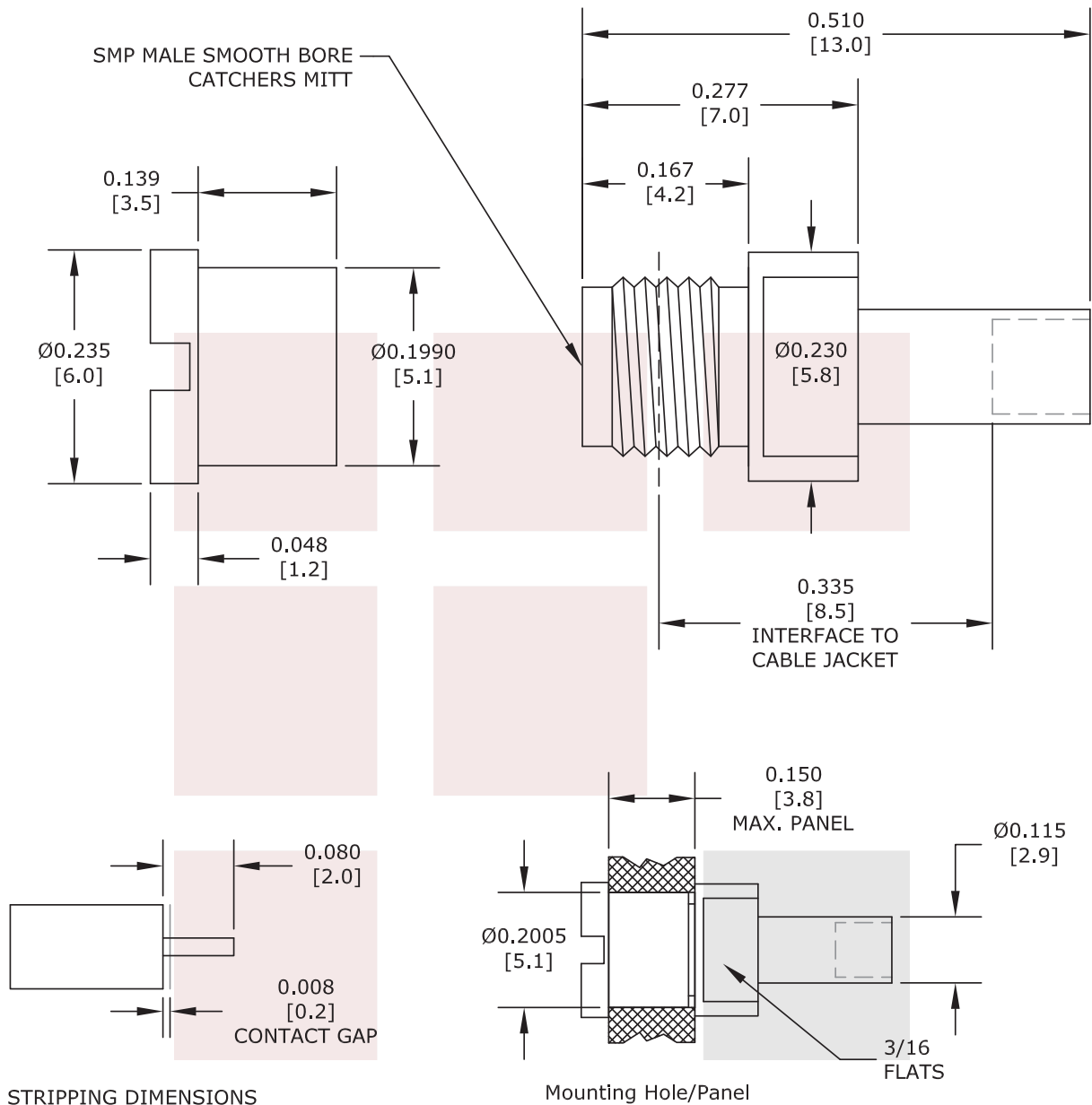
Features:

- Operating Frequency of 40 GHz Max.
- Excellent VSWR of 1.25:1
- Blind Mate Connector
- Gold Plated Beryllium Copper Contact
- Contact plating according to MIL-G-45204

Applications:

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

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sales@fairviewmicrowave.com



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*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].

TITLE

SMP Male Bulkhead Smooth Bore CM Connector
Solder Attachment For RG405, RG405 Tinned, .086 SR
Cable

DWG NO

SC5161

CAGE CODE

3FKR5

CAD FILE

112916

SHEET

SCALE

N/A

SIZE

A

41742

RG405 Type .086 Semi-Rigid Coax Cable with a Tin Plated Aluminum Outer Conductor in Coiled Sections

.086 diameter semi-rigid coaxial cable is the cable of choice for many RF and Microwave engineers. 0.086 cables sometimes referred to as RG405 based on the mil specification for semi-rigid cable of this diameter has a maximum operating frequency of 40 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 .07 inches.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		40	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	23 75.46	81 265.75	131 429.79			dB/100ft dB/100m
Power In (CW), Max	130	35	20			Watts

Mechanical Specifications

Min. Bend Radius (Installation) 0.07 in [1.78 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver	0.02 in [0.51 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.066 in [1.68 mm]
Outer Conductor	Aluminum, Tin	0.086 in [2.18 mm]

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

REACH Compliant 12/17/2014

Plotted and Other Data

Notes:

Configuration:

- Semi-Rigid Cable

Features:

- Silver Plated Copper Clad Steel center conductor
- PTFE dielectric material
- Aluminum Tinned Outer Conductor
- Operating to 40 GHz
- Minimum inside bend radius of .07 inches
- ROHS compliant

Applications:

- RF and Microwave Cable Assemblies to 40 GHz
- Preformed cable assemblies to insure fit and layout
- Test Equipment port jumpers

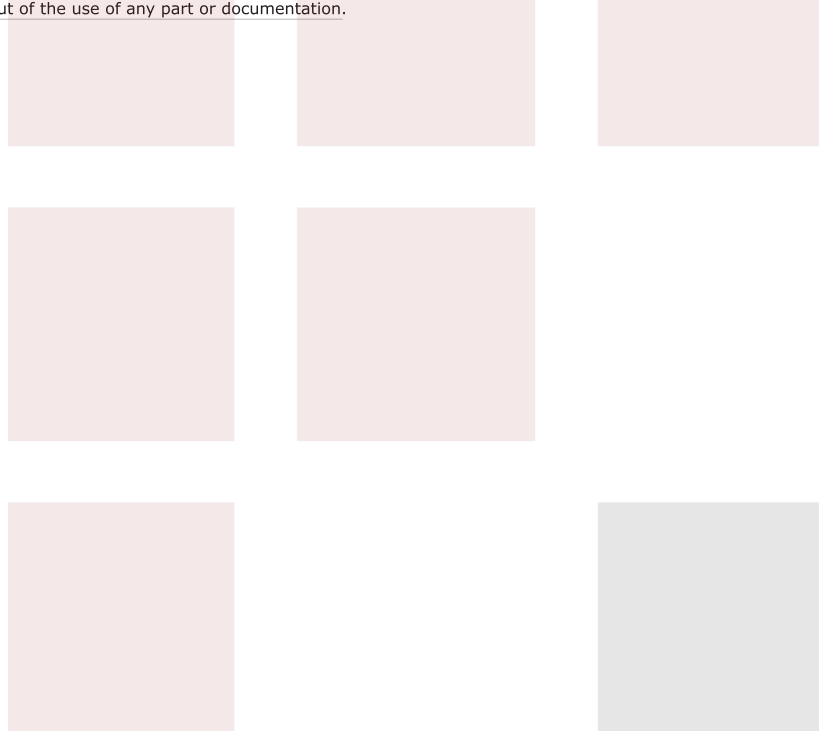
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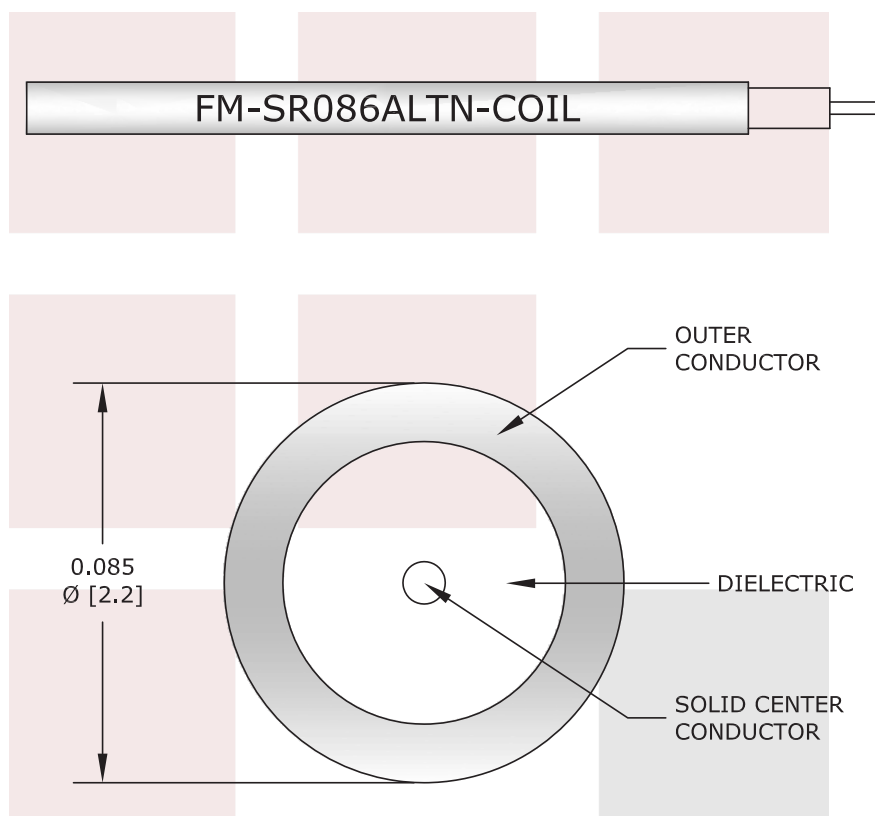
RG405 Type .086 Semi-Rigid Coax Cable with a Tin Plated Aluminum Outer Conductor in Coiled Sections from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RG405 Type .086 Semi-Rigid Coax Cable with a Tin Plated Aluminum Outer Conductor in Coiled Sections FM-SR086ALTN-COIL](#)

URL: <http://www.fairviewmicrowave.com/rg405-type-.086-semi-rigid-coax-cable-tin-plated-aluminum-fm-sr086altn-coil-p.aspx>

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TITLE RG405 Type .086 Semi-Rigid Coax Cable with a Tin Plated Aluminum Outer Conductor in Coiled Sections	DWG NO FM-SR086ALTN-COIL		CAGE CODE 3FKR5		
	CAD FILE 012716	SHEET	SCALE N/A	SIZE A	2233