Fairview Microwave
an INFINITE brand

FMCA3041-12 DATA SHEET

TNC Male to TNC Female Bulkhead Cable Tinned Copper RG405 Type .086 Coax in 12 Inch

The TNC male to TNC female bulkhead 12 inch cable using Tinned Copper RG405 type .086 coax, part number FMCA3041-12, from Fairview Microwave is in-stock and ships same day. This Fairview TNC to TNC cable assembly has a male to female gender configuration with 50 ohm semi-rigid FM-SR086CUTN-STR coax. Fairview Microwave's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. The FMCA3041-12 TNC male to TNC female cable assembly operates to 6 GHz. Our RF cable assembly with TNC bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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.

Configuration:

- TNC Male
- TNC Female Bulkhead
- FM-SR086CUTN-STR

Features:

- Max Frequency 6 GHz

Applications:

- General Purpose
- Laboratory Use

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.5:1	

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	6			GHz
Insertion Loss (Typ.)	0.42	0.52	0.75			dB

Electrical Specification Notes:
The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length*	12 in [304.8 mm]
Weight	0.082 lbs [37.19 g]

Cable

Cable Type	FM-SR086CUTN-STR
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Tinned Copper
One Time Minimum Bend Radius	0.05 in [1.27 mm]

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

Copyright © 2020

Connectors

Description	Connector 1	Connector 2
Type	TNC Male	TNC Female
Mount Method		Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold over Nickel	Beryllium Copper, Gold over Nickel
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Material & Plating	Brass, Nickel	

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

How to Order

Part Number Configuration: **FMCA3041 - xx uu**

- uu: cm = Centimeters; <blank> = Inches
- xx: Length

Example: FMCA3041-12 = 12 inches long cable
FMCA3041-100cm = 100 cm long cable

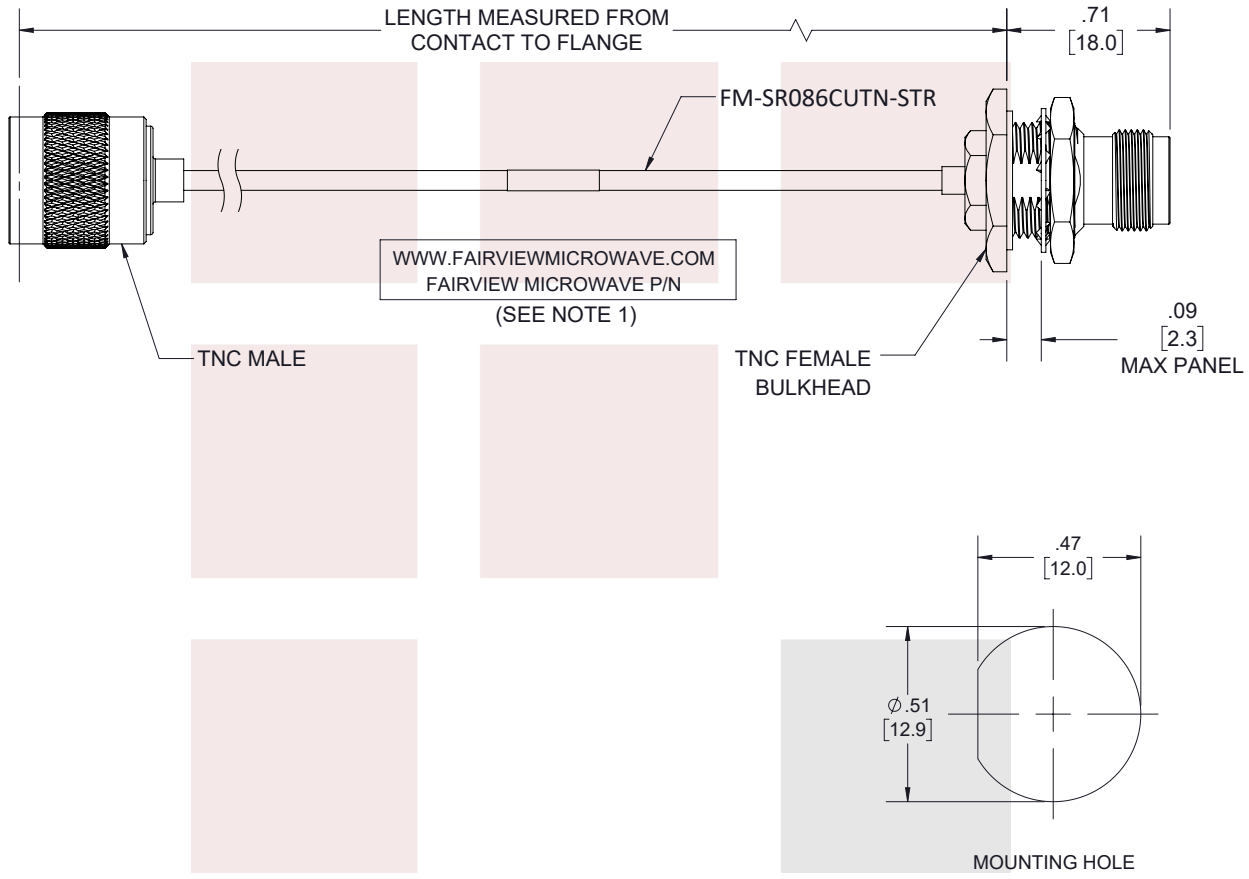
TNC Male to TNC Female Bulkhead Cable Tinned Copper RG405 Type .086 Coax in 12 Inch from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: TNC Male to TNC Female Bulkhead Cable Tinned Copper RG405 Type .086 Coax in 12 Inch FMCA3041-12

URL: https://www.fairviewmicrowave.com/tnc-male-to-tnc-female-bulkhead-cable-rg405-type-.086-coax-fmca3041-12-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	08/04/22	AGANWANI



NOTES:

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED.
   CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END
   6.0" FROM THE FRONT OF THE CONNECTOR.

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

Fairview Microwave
an INFINITE brand

TITLE

TNC Male to TNC Female Bulkhead Cable Tinned Copper RG405 Type .086 Coax in 12 Inch

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

TOLERANCES:

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

THIRD-ANGLE PROJECTION

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SHEET	OF	SCALE
1	1	N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	VTHANGARAJ	FMCA3041	A

T-Rev.D