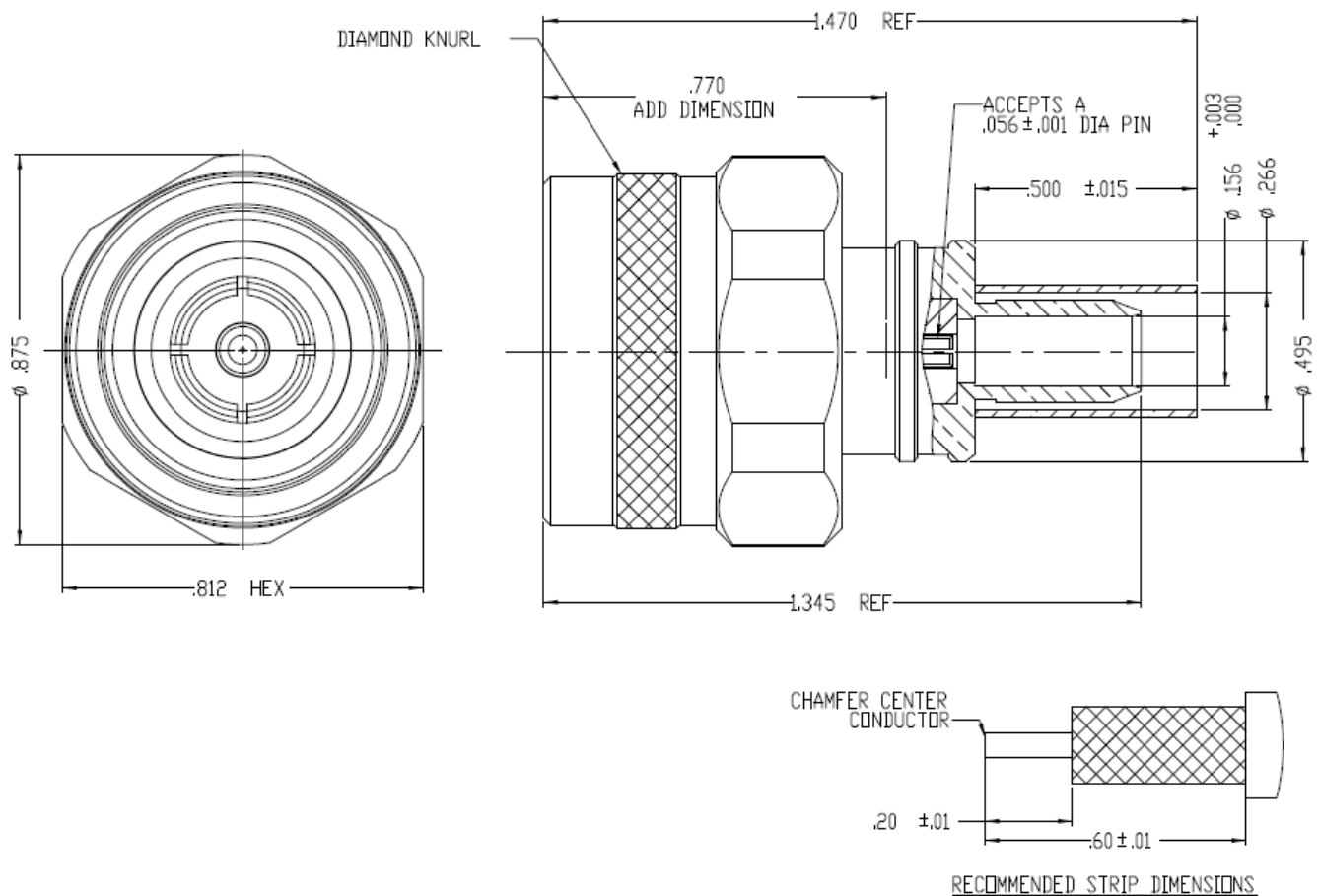


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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	9/4/13	J.D.B.	9/10/13



NOTES:

- ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348.
- MATERIAL:
 - BODY, FINGERS, HEX NUT - BRASS PER ASTM B16, C36000 ALLOY, TEMPER H02
 - INSULATOR - TEFLON PER ASTM D1710, TYPE 1, GRADE 1, CLASS A
 - GASKET - SILICONE RUBBER PER A-A-59588, 50-75 DUROMETER
 - SHRINK SLEEVE - HEAT SHRINKABLE ATUM PER MIL-I-23053/4 (NOT SHOWN)
 - CRIMP SLEEVE - D.H.P. COPPER CDA, ALLOY #122, TEMPER HARD
 - CONTACT - BERYLLIUM COPPER PER ASTM B196, C17300 ALLOY, CONDITION HT
 - LOCKING RING - PHOSPHOR BRONZE PER ASTM B139, C54400 ALLOY, TEMPER HD
- FINISH:
 - CONTACT - GOLD PLATE PER ASTM B488
 - LOCKING RING - NOT PLATED
 - CRIMP SLEEVE - SULFAMATE NICKEL PER MIL-P-27418
 - ALL OTHER METAL PARTS - ALBALOY PLATE PER DELTA SPEC. 111197

MATL:		UNLESS OTHERWISE SPECIFIED		DFTM. N, N, N		TIMES MICROWAVE SYSTEMS					
		ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH 63 RMS MAX. REMOVE ALL BURRS .004 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS . XX ± .01 . XXX ± .005 ANGLES ± 1° FRACTIONS ± 1/64		DATE 9/4/13							
CHKD. J, D, B.				EZ-240-NMH-X CONNECTOR ASSEMBLY NM for LMR-240							
DATE 9/10/13											
APPD. J, D, B.											
USED ON: _				SHT		1 of 1		SD3190-2893		REV A	
SCALE: NONE		DWG. SIZE A		DO NOT SCALE DRAWING		CODE IDENT 68999		DATE 9/10/13			

RP SMA Female Connector Crimp/Solder Attachment For LMR-240 Cable

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.35:1	

Mechanical Specifications

Size	
Length	0.965 in [24.51 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.01 lbs [4.54 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold
Insulation	PTFE	
Body	Brass	Gold
Coupling Nut	Brass	Gold

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

RoHS Compliant	Yes
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Plotted and Other Data

Notes:

RP SMA Female Connector Crimp/Solder Attachment For LMR-240 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RP SMA Female Connector Crimp/Solder Attachment For LMR-240 Cable FMCO1052](#)

URL: <http://www.fairviewmicrowave.com/sma-female-reverse-polarity-lmr-240-connector-fmco1052-p.aspx>

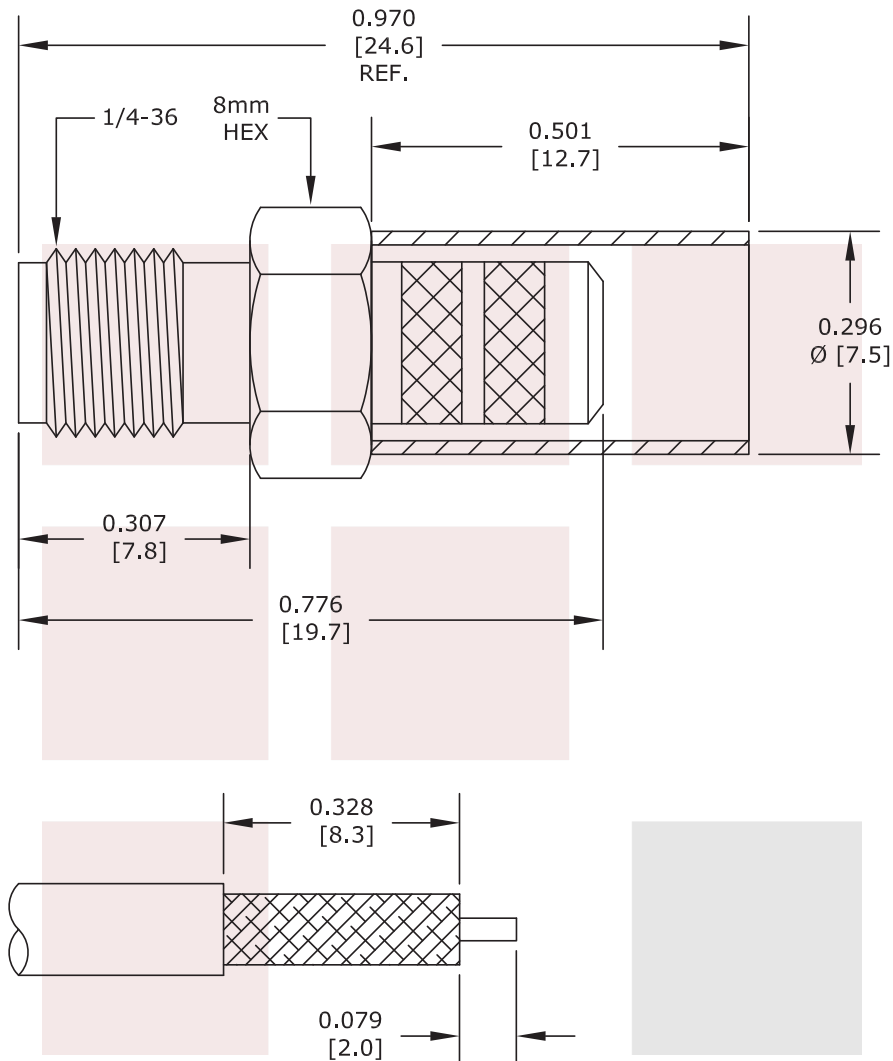
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to 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.



Configuration:

- SMA Female Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry
- LMR-240 Interface Type
- Crimp/Solder Attachment

Fairview Microwave
1130 Junction Dr. #100
Allen, TX 75013
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .255" HEX CRIMP TOOL

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
RP SMA Female Connector Crimp/Solder Attachment
For LMR-240 Cable

DWG NO	FMC01052	CAGE CODE	3FKR5
CAD FILE	030215	SHEET	SCALE N/A
SIZE	A	2233	

TCOM-240 Low PIM Flexible Coax Cable Black PE Jacket

Times Microwave Systems Coax Cable Specification

TCOM-240 low PIM coax cable from Fairview Microwave is only one of many radio frequency coaxial cable types specifically stocked to be ready for quick shipment. Fairview Microwave's TCOM-240 coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This flexible 50 Ohm coax cable is constructed with a polyethylene jacket of 0.24-inch diameter. The maximum passive intermodulation of this low PIM cable is -155 dBc.

Fairview Microwave's TCOM-240 flexible coax cable with a polyethylene jacket is rated for a 10 GHz maximum operating frequency. This 50 Ohm flexible coax cable is built with a shield count of 2 and RF shielding of 100 dB. Our low PIM RF coaxial cable has a solid conductor of copper. This black-colored coax RF cable has a typical insertion loss/maximum attenuation of 26.2 dB/100ft at a frequency of 10 GHz.

The TCOM-240 coax cable with foam PE dielectric can operate at temperatures ranging from -40 to 85 degrees C. Additional specifications for this TCOM-240 double-shielded RF coaxial cable are on our downloadable PDF datasheet above. This coaxial cable features a dual shield of tinned copper braid over the silver plated copper braid. Our low PIM coaxial cable has a dielectric withstanding voltage of 1500 Vdc.

TCOM-240 low PIM RF cable is part of more than one million RF, microwave, and millimeter wave parts in stock at Fairview Microwave. This TCOM-240 coax cable is ready to buy and can be shipped worldwide. Fairview Microwave also maintains a wide selection of other radio frequency coaxial cable types that ship the same day from our Allen, TX warehouse in the United States, as with the rest of our other RF/microwave and millimeter wave components.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Velocity of Propagation		84		%
Time Delay		1.21 [3.97]		ns/ft [ns/m]
Shielding Effectiveness	100			dB
Passive Intermodulation			-155	dBc
DWV (DC)			1,500	Vdc
Jacket Spark			5,000	Vrms
Inner Conductor DC Resist.			3.2	Ohms/1000ft
Outer Conductor DC Resist.			2.06	Ohms/1000ft
Nominal Capacitance		24.2 [79.4]		pF/ft [pF/m]
Nominal Inductance		0.06 [0.2]		uH/ft [uH/m]
Input Power (Peak)			5.6	kWatts



Configuration:

- Low PIM Flexible Cable
- 2 Shield(s)

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

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.15	0.22	0.45	0.9	1.5	GHz
Attenuation, Typ	2.9 9.51	3.5 11.48	5 16.4	7.2 23.62	9.4 30.84	dB/100ft dB/100m
Power In (CW), Max	700	570	400	280	210	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.8	2	2.5	5.8	10	GHz
Attenuation, Typ	10.3 33.79	10.9 35.76	12.3 40.35	19.4 63.65	26.2 85.96	dB/100ft dB/100m
Power In (CW), Max	190	180	160	100	70	Watts

Mechanical Specifications

Diameter	0.24 in [6.1 mm]
Weight	0.03 lbs/ft [0.04 kg/m]
Min. Bend Radius (Installation)	0.75 in [19.05 mm]
Min. Bend Radius (Repeated)	2.5 in [63.5 mm]
Bending Moment	0.25 lbs-ft [0.34 N-m]
Tensile Strength	80 lbs [36.29 kg]
Flat Plate Crush	20 lbs/in [0.36 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strands	0.056 in [1.42 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.15 in [3.81 mm]
First Shield	Silver Plated Copper Braid	0.16 in [4.06 mm]
Second Shield	Tinned Copper Braid	0.188 in [4.78 mm]
Jacket	PE, Black	0.24 in [6.1 mm]

Environmental Specifications
Temperature

Operating Range	-40 to +85 deg C
Installation Range	-40 to +85 deg C
Storage Range	-70 to +85 deg C

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

Plotted and Other Data

Notes:

TCOM-240 Low PIM Flexible Coax Cable Black PE Jacket 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: [TCOM-240 Low PIM Flexible Coax Cable Black PE Jacket TCOM-240](#)

URL: <https://www.fairviewmicrowave.com/tcom240-low-pim-flexible-coax-cable-pe-jacket-tcom-240-p.aspx>

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