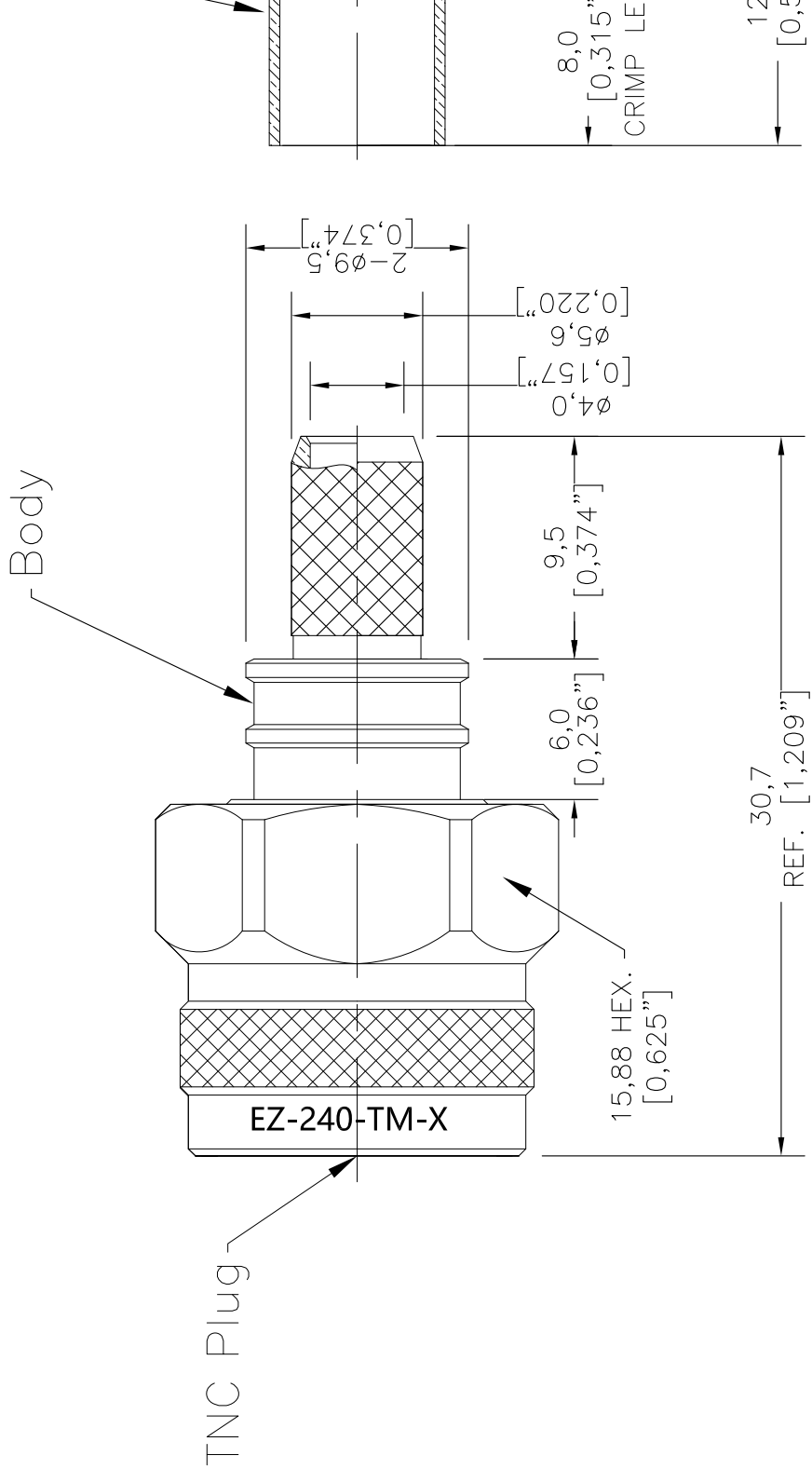




I. MATERIALS & FINISHES

II. ELECTRICAL PROPERTIES

Components	Materials	Finishes	Thk. (μ ")
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Impedance (Ω):

50



RP-TNC Jack Connector Crimp/Non-Solder Contact
Attachment for LMR-240, LMR-240-DB, LMR-
240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors Technical Data Sheet



EZ-240-TF-RP-X

Times Microwave Systems Connector Specification

Configuration

- TNC Jack Reverse Polarity Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1
- Tri-Metal Plated Brass Contact
- 80 μ m minimum contact plating
- Reverse Polarity

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

EZ-240-TF-RP-X RP TNC jack coaxial connector has an interface type of TNC jack LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, and PE-C240 and a 50 Ohms impedance. Pasternack's TNC jack connector uses crimp/non-solder contact as an attachment method. Our jack TNC coaxial connector provides a maximum frequency of 6 GHz.

The Pasternack TNC jack coaxial connector has a PTFE dielectric type and a VSWR of 1.3:1. Pasternack's TNC coaxial connector has a brass body with tri-metal plating. Our EZ-240-TF-RP-X TNC connector uses a tri-metal plated brass contact. Additional RF connector specs and dimensions for this component can be found on its PDF specification datasheet and CAD drawings above.

The radio frequency connector is made from brass material and has a contact life of 500 cycles or more. Our high-quality EZ-240-TF-RP-X features an 80 μ m minimum body plating specification. The Pasternack EZ-240-TF-RP-X TNC connector operates at a temperature range of -40 to 125 deg C.

This Pasternack reverse polarity jack TNC connector will ship the same business day as purchased. Our TNC jack connector is part of over 40,000 RF, microwave, and millimeter wave components in stock for local, domestic, and international 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.3:1	
Insertion Loss			0.24	dB
Impedance		50		Ohms
Dielectric Withstanding Voltage (DC)			1,500	Vdc
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP-TNC Jack Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 EZ-240-TF-RP-X](#)

RP-TNC Jack Connector Crimp/Non-Solder Contact
Attachment for LMR-240, LMR-240-DB, LMR-
240-UF, LMR-240-FR, RG8X, PE-C240



RF Connectors
Technical Data Sheet

Electrical Specification Notes:
Insertion Loss is 0.1*SQRT(fGHz) dB

Mechanical Specifications

Size

Length	1.20 in [30.48 mm]
Width	0.43 in [10.92 mm]
Height	0.43 in [10.92 mm]
Weight	0.10 lbs [45.36 g]
Mating Cycles	500 Cycles
Cable Retention Force	250 lbs 113.4 kg

Material Specifications

Description	Material	Plating
Contact	Brass	Tri-Metal 80 µin minimum
Insulation	PTFE	
Body	Brass	Tri-Metal 80 µin minimum
Crimp Sleeve	Brass	Tri-Metal 80 µin minimum

Environmental Specifications

Temperature

Operating Range	-40 to +125 deg C
Shock	MIL-STD 202G, Meth.213, Cond.G
Vibration	MIL-STD 202G, Meth.204, Cond.B
Thermal Shock	MIL-STD 202G, Meth.107, Cond.B

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP-TNC Jack Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 EZ-240-TF-RP-X](#)



RP-TNC Jack Connector Crimp/Non-Solder Contact
Attachment for LMR-240, LMR-240-DB, LMR-
240-UF, LMR-240-FR, RG8X, PE-C240

RF Connectors Technical Data Sheet



EZ-240-TF-RP-X

RP-TNC Jack Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

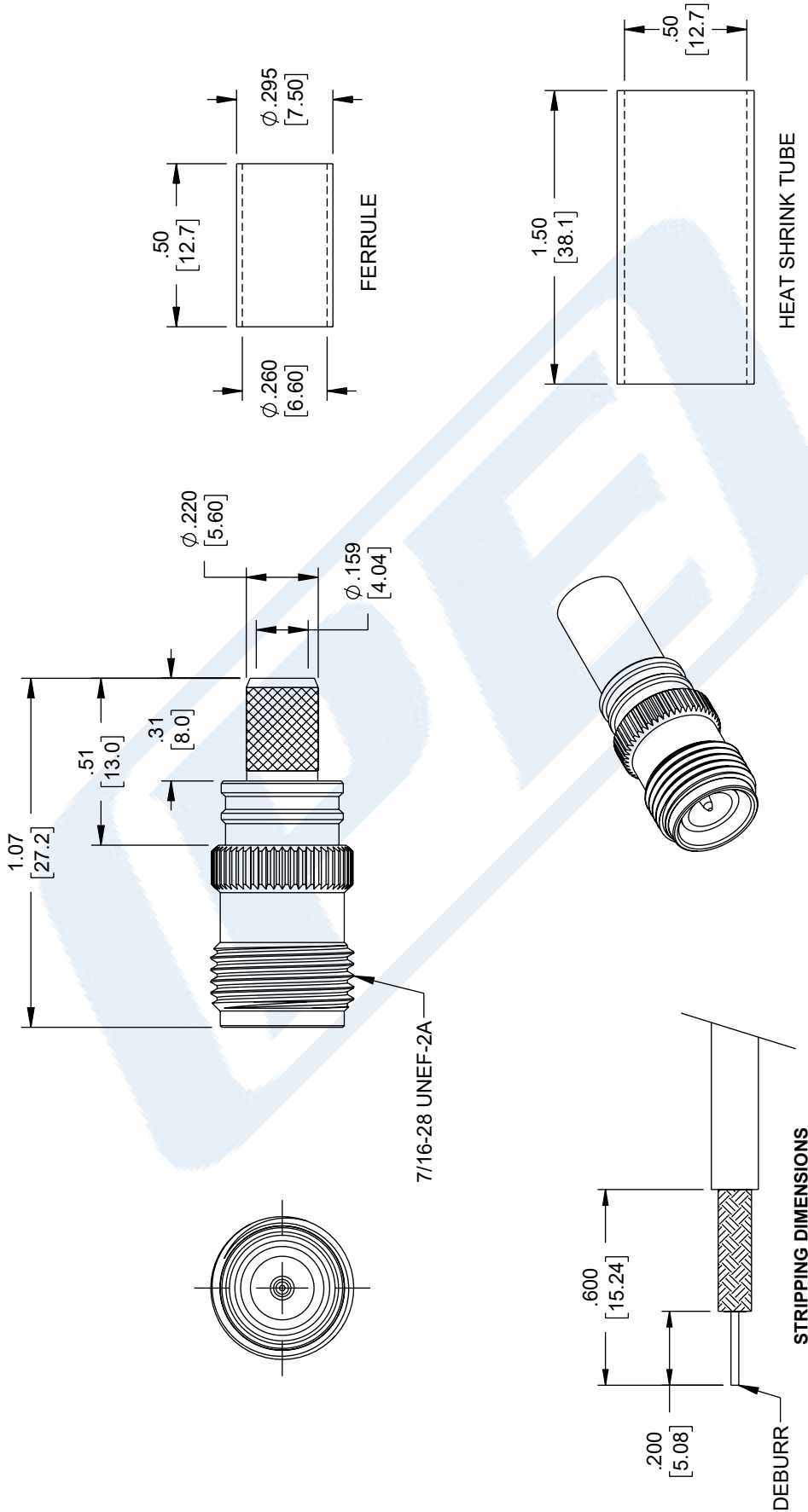
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP-TNC Jack Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240 EZ-240-TF-RP-X](#)

URL: <https://www.pasternack.com/tnc-jack-reverse-polarity-lmr-240-connector-ez-240-tf-rp-x-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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

EZ-240-TF-RP-X CAD Drawing

RP-TNC Jack Connector Crimp/Non-Solder Contact Attachment for LMR-240, LMR-240-DB, LMR-240-UF, LMR-240-FR, RG8X, PE-C240



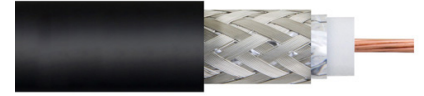
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	
.X = ± .2 [5]	FRACTIONS
.XX = ± .02 [5]	± 1/32
.XXX = ± .005 [13]	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	
≤ 12 [305]	± .125 [3.18]
> 12 [305] ≤ 60 [1524]	± .25 [6.35]
> 60 [1524] ≤ 120 [3048]	± .5 [12.7]
> 120 [3048] ≤ 300 [7620]	± .75 [19.05]
> 300 [7620]	± 1.0 [25.4]
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE	

- NOTES:
- CABLE ATTACHMENT:
OUTER: CRIMP.
 - CRIMP SIZE REQUIRED:
FERRULE: .255 [6.48] HEX. CRIMP TOOL.

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PE PASTERNAK an INFINITI® brand	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
DESCRIPTION RP-TNC Jack Connector Crimp/Non-Solder Contact Attachment for LMR-240	SCALE NONE
SIZE A	SHEET 1 OF 1
CAGE CODE 53919	ITEM NO. EZ-240-TF-RP-X
DRAWN BY KDANG	REV A

Flexible LMR-240-UF Indoor / Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket



LMR-240-UF



Times Microwave Systems Connector Specification

Configuration

- Low Loss, Indoor / Outdoor Flexible Cable
- 2 Shield(s)

Features

- Highly Flexible
- Low Loss Cable
- RF Shielding > 90dB
- Designed for Indoor/Outdoor Use
- Max Operating Frequency of 8 GHz

Applications

- Jumper Assemblies
- Short Antenna Feeder Runs
- Wireless Communications

Description

Pasternack's LMR series RF cables from Times Microwave offer an ideal solution for applications where flexibility is essential. These flexible cables provide low loss with a minimum bend radius of 0.75 in. for installation. The stranded center conductor and rubber jacket also make this RF cable ideal for applications requiring periodic or repeated flexing. Pasternack's LMR-240-UF cable is designed for use in indoor and outdoor applications. The LMR-240-UF's thermoplastic elastomer (TPE) jacket gives this RF cable a life expectancy of 10 years. This low loss RF cable is also double shielded to provide greater than 90 dB RF shielding.

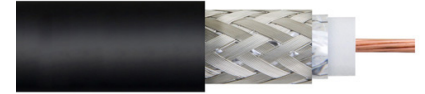
Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Velocity of Propagation		84		%
Time Delay		1.21 [3.97]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			1,500	Vdc
Jacket Spark			5,000	Vrms
Inner Conductor DC Resistance			4.28	Ohms/1000ft
Outer Conductor DC Resistance			3.89	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

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz

Flexible LMR-240-UF Indoor / Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket



LMR-240-UF

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Attenuation, Typ	2.1	3.6	4.4	6.3	9.1	dB/100ft
	6.89	11.81	14.44	20.67	29.86	dB/100m
Input Power (CW), Max	960	550	450	310	220	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	8	GHz
Attenuation, Typ	11.8	13	13.8	15.5	24.4	dB/100ft
	38.71	42.65	45.28	50.85	80.05	dB/100m
Input Power (CW), Max	170	150	140	130	80	Watts

Electrical Specification Notes:

Values at 25°C, sea level.

Attenuation = $0.290501 \times \sqrt{\text{FMHz}} + 0.000396$

Mechanical Specifications

Diameter	0.24 in [6.1 mm]
Weight	0.032 lbs/ft [0.05 kg/m]
Min. Bend Radius (Installation)	0.75 in [19.05 mm]
Min. Bend Radius (Repeated)	2.5 in [63.5 mm]
Bending Moment	0.13 lbs-ft [0.18 N-m]
Tensile Strength	80 lbs [36.29 kg]
Flat Plate Crush	13 lbs/in [0.23 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Strand	0.056 in [1.42 mm]
Conductor Type	Stranded	
Dielectric	PE (F)	0.15 in [3.81 mm]
First Shield	Aluminum Tape	0.155 in [3.94 mm]
Second Shield	Tinned Copper Braid	0.178 in [4.52 mm]
Jacket	TPE, Black	0.24 in [6.1 mm]

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

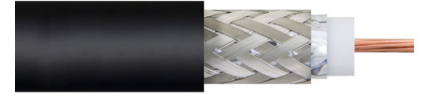
Installation Range -40 to +85 deg C

Storage Range -70 to +85 deg C

Environmental Specification Notes:

Designed for indoor and outdoor use.

Flexible LMR-240-UF Indoor / Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket



LMR-240-UF

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

Plotted and Other Data

Notes:

Flexible LMR-240-UF Indoor / Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible LMR-240-UF Indoor / Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket LMR-240-UF](#)

URL: <https://www.pasternack.com/50-ohm-ultra-flexible-lmr-240-uf-pe-jacket-tinned-copper-over-aluminum-tape-outer-conductor-double-shielded-lmr-240-uf-p.aspx>

The information contained within 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. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

Flexible LMR-240-UF Indoor / Outdoor Rated Coax Cable Double Shielded with Black TPE Jacket

