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# 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

TIMES MICROWAVE SYSTEMS
An Amphenol Company

**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 µin 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 µin 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

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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**

TIMES MICROWAVE SYSTEMS
An Amphenol Company

**EZ-240-TF-RP-X**

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<br>80 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Tri-Metal<br>80 µin minimum |
| Crimp Sleeve | Brass | Tri-Metal<br>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:

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# 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

TIMES MICROWAVE SYSTEMS An Amphenol Company

**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

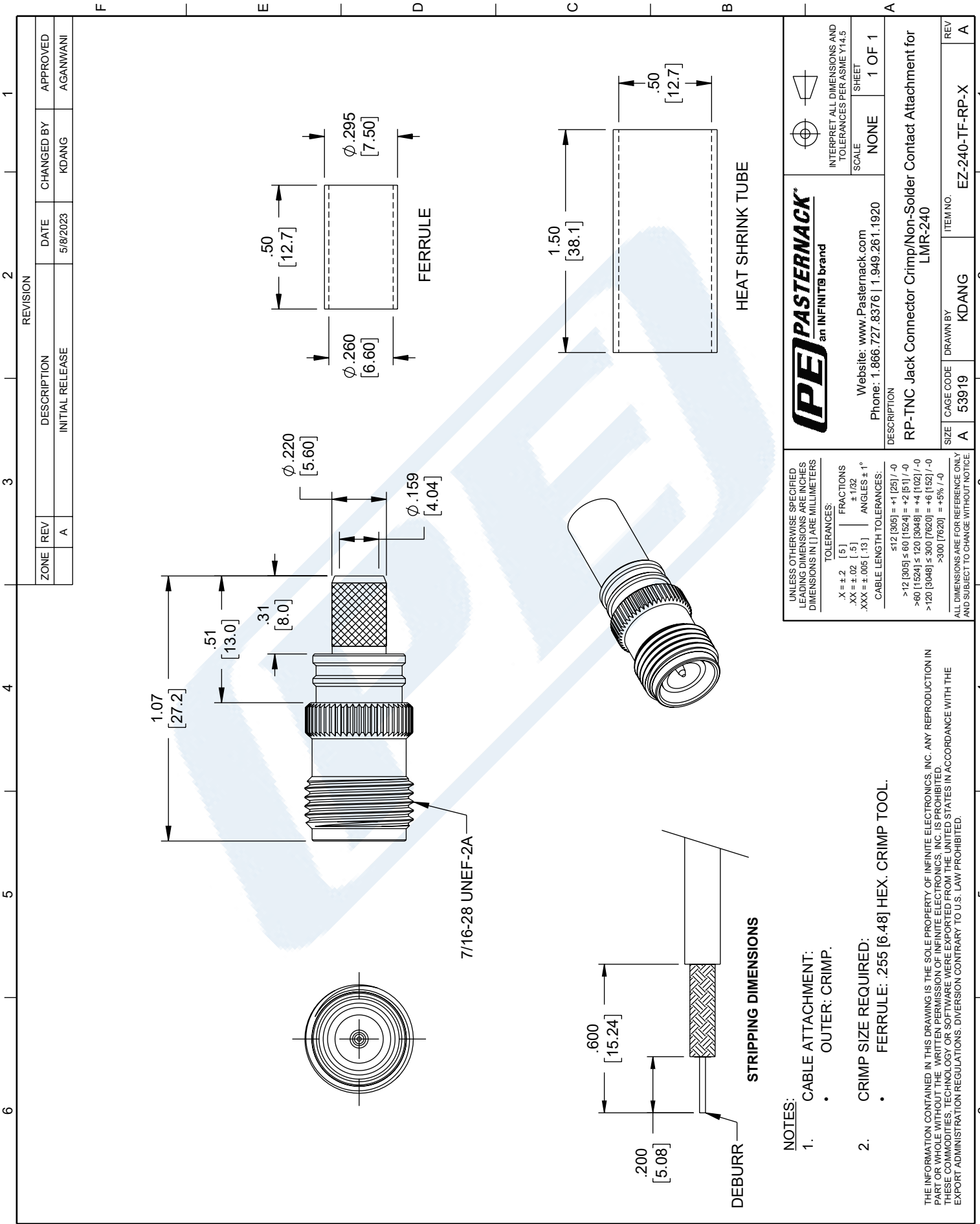
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# EZ-240-TF-RP-X CAD Drawing

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




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# SMA Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240

RF Connectors
Technical Data Sheet

TIMES MICROWAVE SYSTEMS

EZ-240-SM-RA-X

## Times Microwave Systems Connector Specification

### Configuration

- SMA Male Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-240
- 5/16 Inch Hex

### Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass/Phosphor Bronze Contact
- 50 µinch contact plating

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Times Microwave's EZ-240-SM-RA-X SMA male right angle connector offered by Pasternack with crimp/non-solder contact attachment for Times' LMR-240 is part of our full line of RF components available for same-day shipping. Times Microwave's SMA male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1. Its right angle body geometry allows for easier connections in tight spaces.

Times Microwave's SMA male right angle connector EZ-240-SM-RA-X datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

### Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Frequency Range | DC | | 6 | GHz |
| VSWR | | | 1.3:1 | |
| Insertion Loss | | | 0.25 | dB |
| Dielectric Withstanding Voltage (AC) | | | 1,000 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

### Mechanical Specifications

| | |
|---|---|
| **Size** | |
| Length | 0.725 in [18.42 mm] |
| Width/Dia. | 0.312 in [7.92 mm] |
| Height | 0.88 in [22.35 mm] |
| Weight | 0.021 lbs [9.53 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240 EZ-240-SM-RA-X

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# SMA Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240



| | |
|---|---|
| Mating Cycles | 500 Cycles |
| Mating Torque | 7 to 10 in-lbs [0.79 to 1.13 Nm] |

**Material Specifications**

| Description | Material | Plating |
|---|---|---|
| Contact | Brass/Phosphor Bronze | Gold<br>50 µinch |
| Insulation | Teflon | |
| Body | Brass | Tri-Metal<br>80 µinch |
| Coupling Nut | Brass | Tri-Metal<br>80 µinch |

## Environmental Specifications

**Temperature**

| | |
|---|---|
| Operating Range | -40 to +125 deg C |
| Shock | MIL-STD 202G, Meth.213, Cond I |
| Vibration | MIL-STD 202G, Meth.204, Cond D |
| 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: SMA Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240 EZ-240-SM-RA-X

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# SMA Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240

## RF Connectors
## Technical Data Sheet

TIMES MICROWAVE SYSTEMS

EZ-240-SM-RA-X

SMA Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240 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: SMA Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240 EZ-240-SM-RA-X

URL: https://www.pasternack.com/sma-male-lmr-240-connector-ez-240-sm-ra-x-p.aspx

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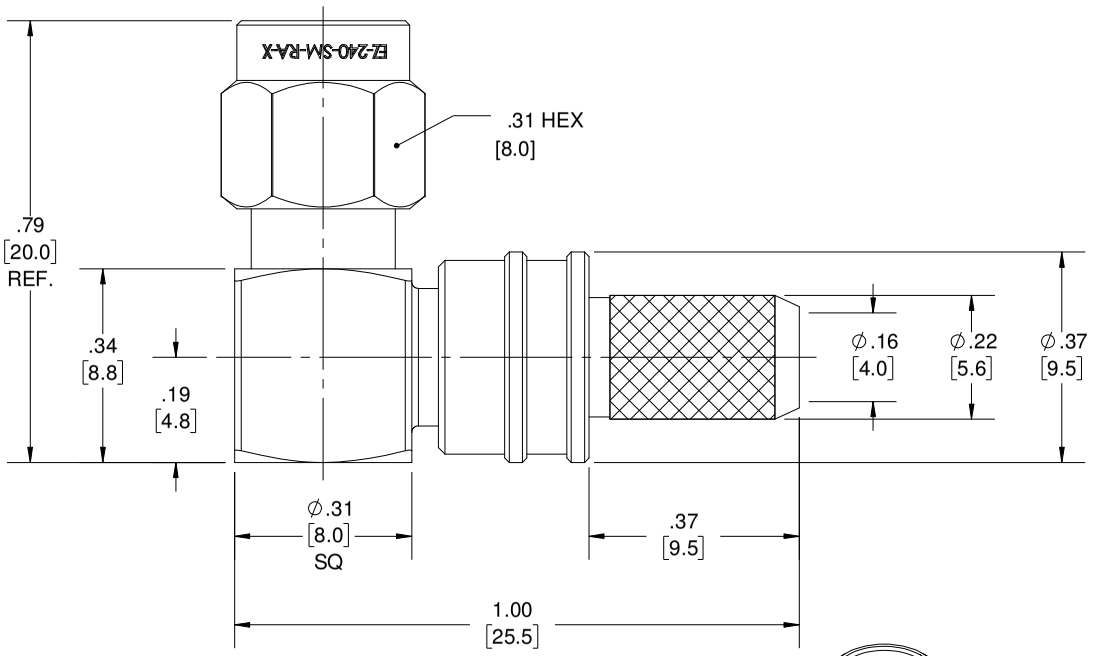
# SMA Male Right Angle Connector Crimp/Non-Solder Contact Attachment for LMR-240

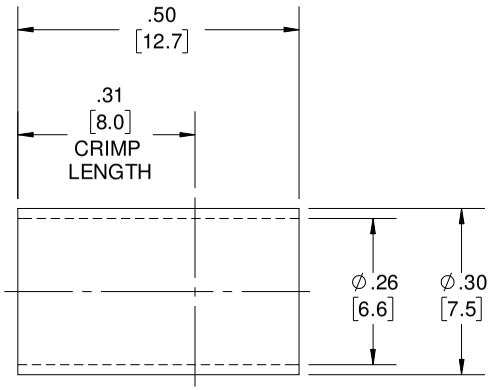
## EZ-240-SM-RA-X CAD Drawing

TIMES MICROWAVE SYSTEMS

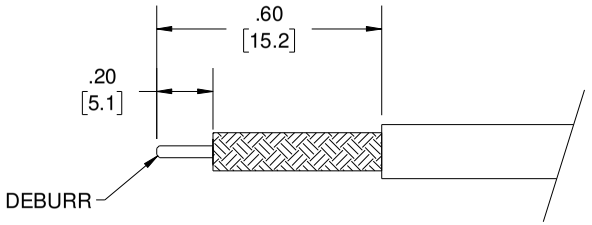
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**SMA MALE RA**

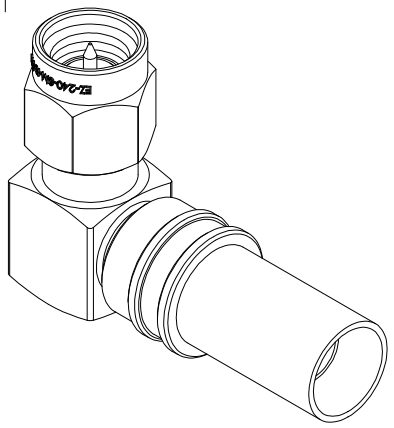


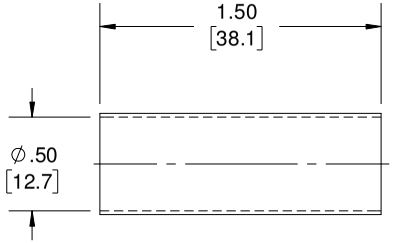




**FERRULE**




**STRIPPING DIMENSIONS**






**SHRINK TUBE(1/2"x1.5" 3:1)**

NOTES:

1. CABLE ATTACHMENT:
   - OUTER: CRIMP.
   - INNER: NON-SOLDER.
2. CRIMP SIZE REQUIRED:
   - FERRULE: .255 [6.48] HEX. CRIMP TOOL.

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

TOLERANCES:

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

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.


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THIRD-ANGLE PROJECTION


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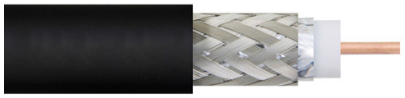

SHEET 1 OF 1

SCALE N/A

| SIZE | CAGE CODE | DRAWN BY | PART NUMBER | REV |
|---|---|---|---|---|
| A | 53919 | K.DANG | EZ-240-SM-RA-X | B |

T-Rev.D

# Low Loss Flexible LMR-240 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



## LMR-240

TIMES MICROWAVE SYSTEMS An Amphenol Company

## Times Microwave Systems Connector Specification

### Configuration

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

### Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 84% VoP

### Applications

- General Purpose RF Interconnect
- Laboratory Applications

### Description

LMR-240 part number from Pasternack is a LMR-240 coax cable that is flexible. Pasternack LMR-240 flexible coax cable is 50 Ohm and has a PE (F) dielectric. Our LMR-240 coax is constructed with a 0.24 jacket made of PE. LMR-240 coax has a shield count of 2, a RF shielding of 90 dB and the maximum frequency for this Pasternack cable is 8 GHz. LMR-240 coax cable has an attenuation at 1 GHz of 8 dB.

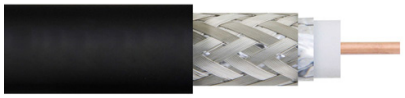
Pasternack LMR-240 coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-240 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-240 or other coax can be built and shipped same day as well.

### Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Frequency Range | DC | | 8 | GHz |
| Cutoff Frequency | | 31 | | 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 | | | 3.2 | 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 |


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# Low Loss Flexible LMR-240 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



## LMR-240

### Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|---|---|---|---|---|---|---|
| Frequency | 50 | 150 | 220 | 450 | 900 | MHz |
| Attenuation, Typ | 1.7 | 3 | 3.7 | 5.3 | 7.6 | dB/100ft |
| | 5.58 | 9.84 | 12.14 | 17.39 | 24.93 | dB/100m |
| Input Power (CW), Max | 1,150 | 660 | 540 | 380 | 260 | Watts |

| Description | F6 | F7 | F8 | F9 | F10 | Units |
|---|---|---|---|---|---|---|
| Frequency | 1.5 | 1.8 | 2 | 2.5 | 5.8 | GHz |
| Attenuation, Typ | 9.9 | 10.9 | 11.5 | 12.9 | 20.4 | dB/100ft |
| | 32.48 | 35.76 | 37.73 | 42.32 | 66.93 | dB/100m |
| Input Power (CW), Max | 200 | 180 | 170 | 150 | 100 | Watts |

### Mechanical Specifications

| | |
|---|---|
| Diameter | 0.24 in [6.1 mm} |
| Weight | 0.033 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 | 0.25 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 Strand | 0.056 in [1.42 mm] |
| Conductor Type | Solid | |
| Dielectric | PE (F) | 0.15 in [3.81 mm] |
| First Shield | Aluminum Tape | |
| Second Shield | Tinned Copper Braid | |
| Jacket | PE, Black | 0.24 in [6.1 mm] |

### Environmental Specifications

**Temperature**

| | |
|---|---|
| Operating Range | -40 to 85 deg C |
| Storage Range | -70 to 85 deg C |

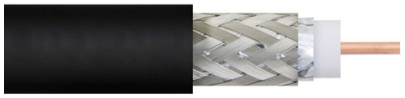
### Compliance Certifications (see product page for current document)

### Plotted and Other Data

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# Low Loss Flexible LMR-240 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



## LMR-240

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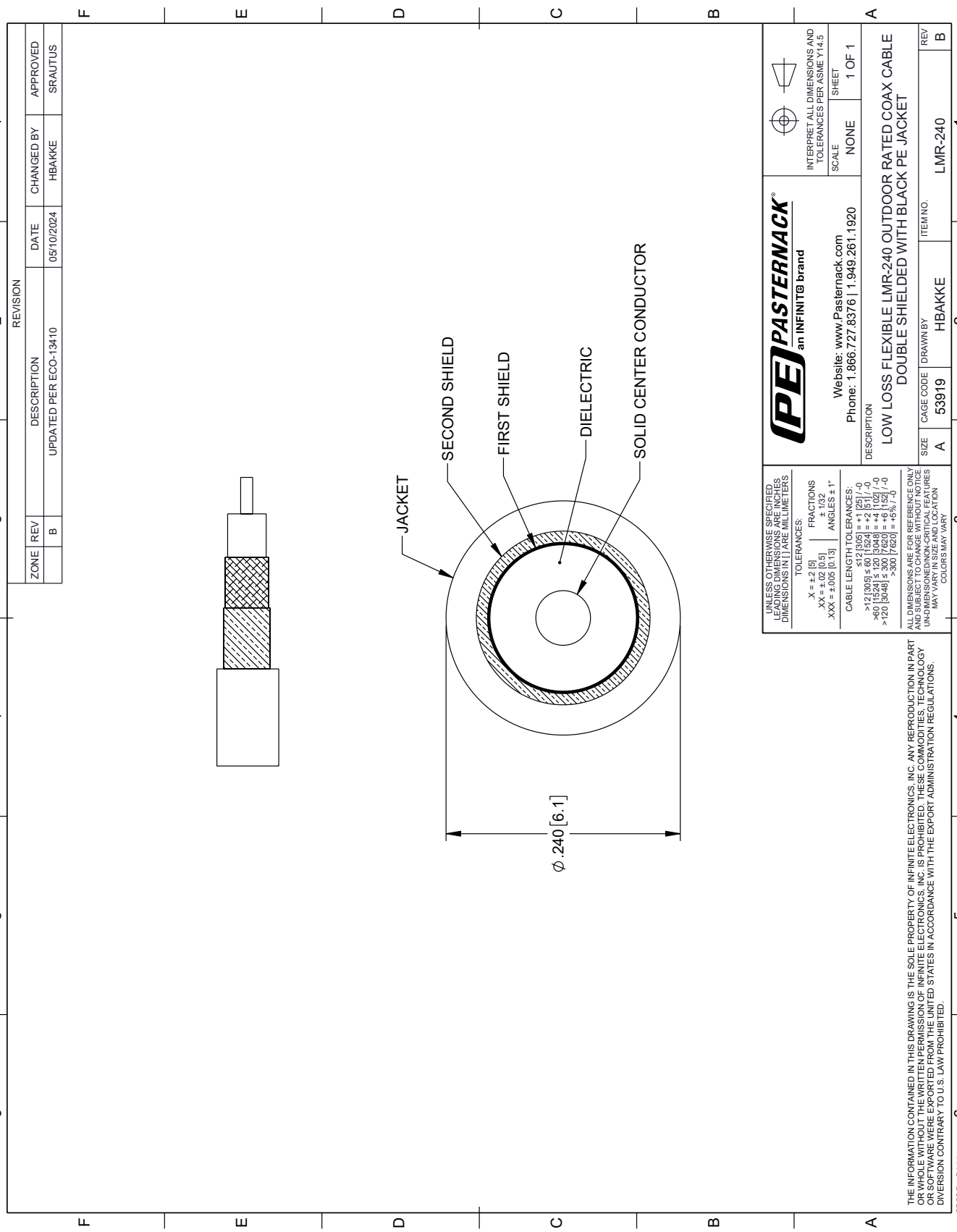
URL: https://www.pasternack.com/50-ohm-low-loss-flexible-lmr240-pe-jacket-double-shielded-black-lmr-240-p.aspx

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# LMR-240 CAD Drawing

Low Loss Flexible LMR-240 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket






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