# N Male Low PIM Connector Clamp/Solder Attachment for TCOM-240, TCOM-240-FR, LMR-240, LMR-240-DB, LMR-240-FR, LMR-240-UF, LMR-LW240

## TCP-240-NMC-LP

### Configuration

- N Male Connector
- IEC-61169-16
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: TCOM-240, TCOM-240-FR, LMR-240, LMR-240-DB, LMR-240-FR, LMR-240-UF, LMR-LW240, PE-C240
- Low PIM Design

### Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1
- PIM levels lower than -160 dBc
- Silver Plated Brass Contact
- 200 µin minimum contact plating

### Applications

- General Purpose Test
- Wireless Communications
- Custom Cable Assemblies
- Low PIM Applications

### Description

Pasternack's TCP-240-NMC-LP type N, Low PIM, Connector is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 6 GHz. The type N male connector also has low passive intermodulation of -160 dBc.

Our type N male connector TCP-240-NMC-LP 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 | | | 0.245 | dB |
| Passive Intermodulation | | | -160 | dBc |
| Impedance | | 50 | | Ohms |

### Mechanical Specifications

| Size | |
|---|---|
| Length | 1.545 in [39.24 mm] |
| Width | 0.748 in [19 mm] |
| Height | 0.748 in [19 mm] |
| Weight | 0.09 lbs [40.82 g] |
| Mating Cycles | 500 Cycles |
| Mating Torque | 44.25 in-lbs [[5.00 Nm]] |



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# N Male Low PIM Connector Clamp/Solder Attachment for TCOM-240, TCOM-240-FR, LMR-240, LMR-240-DB, LMR-240-FR, LMR-240-UF, LMR-LW240

## TCP-240-NMC-LP

### Material Specifications

| Description | Material | Plating |
|---|---|---|
| Contact | Brass | Silver<br>200 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Tri-Metal<br>100 µin minimum |
| Coupling Nut | Brass | Tri-Metal<br>100 µin minimum |
| Retaining Ring | Brass | Silver<br>200 µin minimum |
| Gasket | Silicone | |

### Environmental Specifications

**Temperature**

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

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

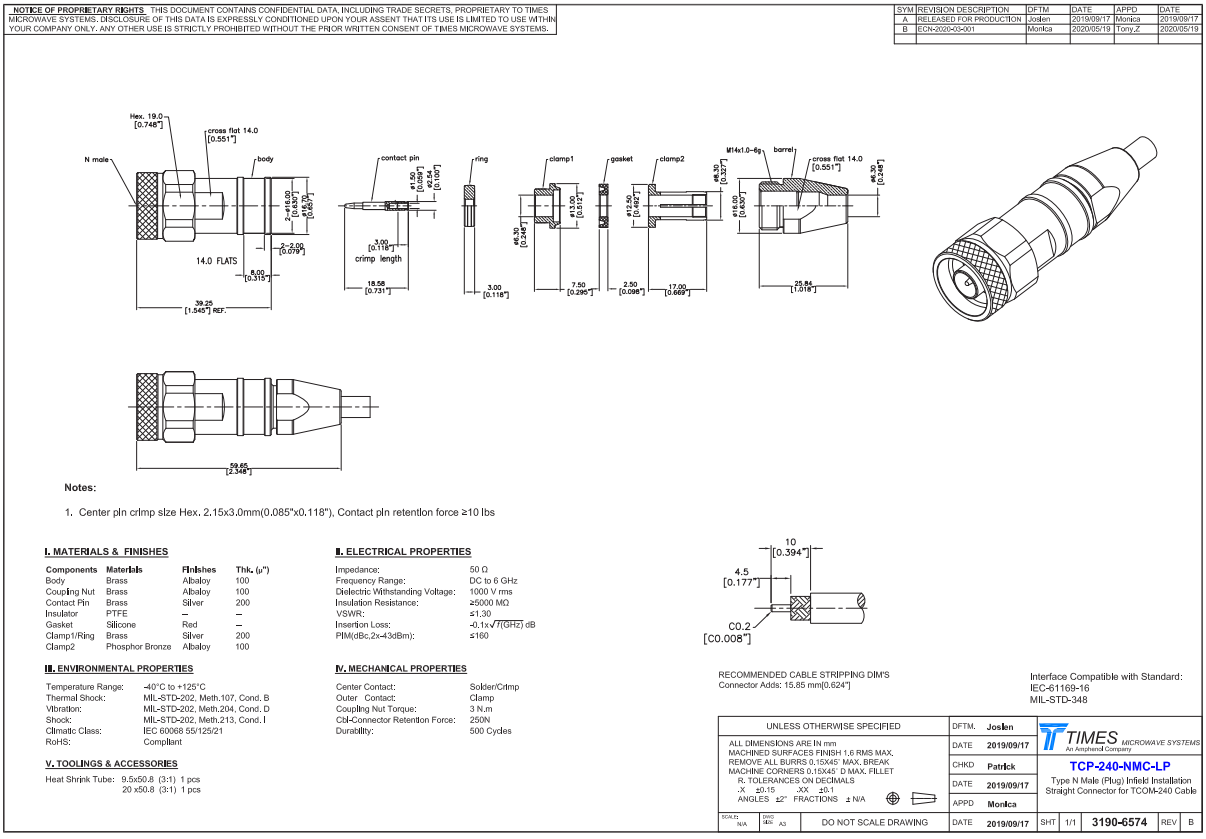
### Plotted and Other Data

Notes:

# N Male Low PIM Connector Clamp/Solder Attachment for TCOM-240, TCOM-240-FR, LMR-240, LMR-240-DB, LMR-240-FR, LMR-240-UF, LMR-LW240

## TCP-240-NMC-LP

### Assembly Instruction



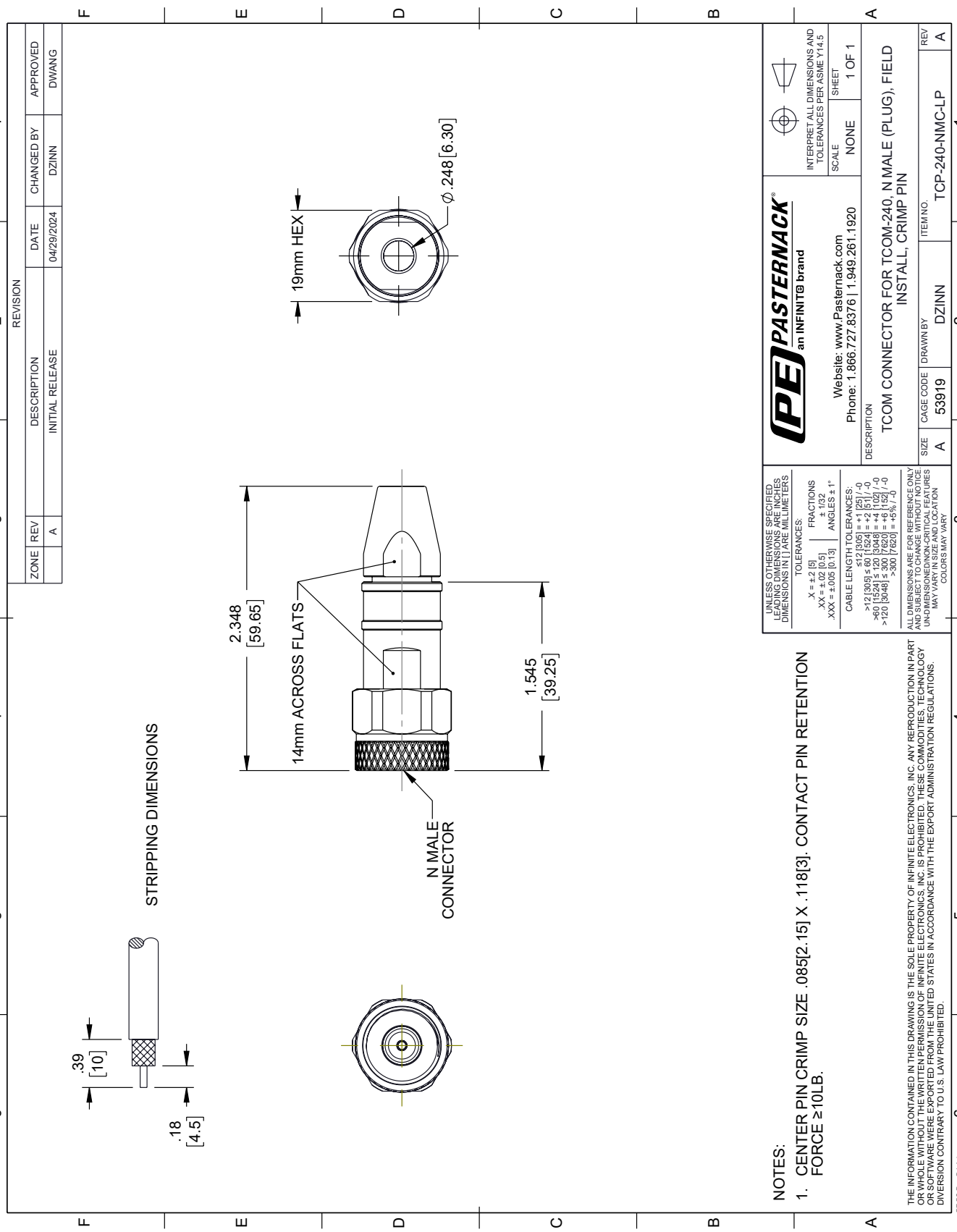

N Male Low PIM Connector Clamp/Solder Attachment for TCOM-240, TCOM-240-FR, LMR-240, LMR-240-DB, LMR-240-FR, LMR-240-UF, LMR-LW240 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and 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: N Male Low PIM Connector Clamp/Solder Attachment for TCOM-240, TCOM-240-FR, LMR-240, LMR-240-DB, LMR-240-FR, LMR-240-UF, LMR-LW240 TCP-240-NMC-LP

URL: https://www.pasternack.com/n-male-tcom-240-tcom-240-fr-connector-tcp-240-nmc-lp-p.aspx

# TCP-240-NMC-LP CAD Drawing

N Male Low PIM Connector Clamp/Solder Attachment for TCOM-240, TCOM-240-FR, LMR-240, LMR-240-DB, LMR-240-FR, LMR-240-UF, LMR-LW240



# SMA Female Connector Crimp Attachment for LMR240, RG8X, PE-C240, TCOM-240-FR, LMR-240-UF, LMR-240-DB, TCOM-240, LMR-240-FR, LMR-LW240

## PE5131

### Configuration

- SMA Female Connector
- 50 Ohms
- Connector Interface Types: LMR240, RG8X, PE-C240, TCOM-240-FR, LMR-240-UF, LMR-240-DB, TCOM-240, LMR-240-FR, LMR-LW240

### Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Beryllium Copper Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE5131, SMA, Connector is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.25:1.

Our SMA female connector PE5131 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 | | | 1.25:1 | |
| Dielectric Withstanding Voltage (AC) | | | 1,000 | Vrms |
| Impedance | | 50 | | Ohms |

### Mechanical Specifications

**Size**

| | |
|---|---|
| Length | 0.98 in [24.89 mm] |
| Width | 0.35 in [8.89 mm] |
| Height | 0.32 in [8.13 mm] |
| Weight | 0.0097 lbs [4.4 g] |

### Material Specifications

| Description | Material | Plating |
|---|---|---|
| Contact | Beryllium Copper | Gold |
| Insulation | PTFE | |
| Body | Brass | Tri-metal |
| Crimp Sleeve | Brass | Tri-metal |



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# SMA Female Connector Crimp Attachment for LMR240, RG8X, PE-C240, TCOM-240-FR, LMR-240-UF, LMR-240-DB, TCOM-240, LMR-240-FR, LMR-LW240

## PE5131

### Environmental Specifications

**Temperature**

| | |
|---|---|
| Operating Range | -40 to +155 deg C |

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

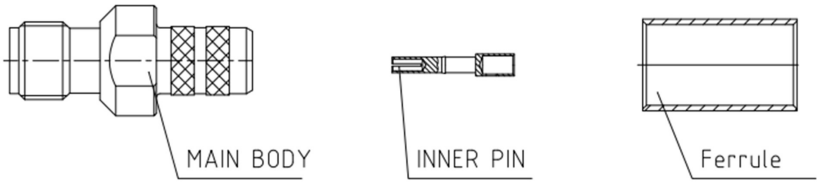
### Plotted and Other Data

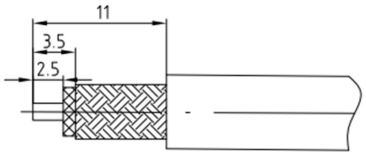
Notes:

# SMA Female Connector Crimp Attachment for LMR240, RG8X, PE-C240, TCOM-240-FR, LMR-240-UF, LMR-240-DB, TCOM-240, LMR-240-FR, LMR-LW240

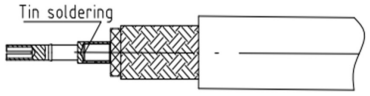
## PE5131

### Assembly Instruction

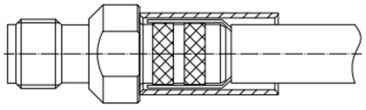


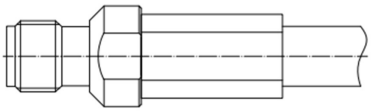

1.A. Stripping dimension is as shown by diagram, attention should be paid while stripping.
B. Remove residual burr.




2.A. Solder inner conduct.
B. Remove residual burr.



3.Put the connector in place, Then push the ferrule.



4.A. Compression crimping sleeve
B. Push the heat shrink tube,blow it with heat gun.

# SMA Female Connector Crimp Attachment for LMR240, RG8X, PE-C240, TCOM-240-FR, LMR-240-UF, LMR-240-DB, TCOM-240, LMR-240-FR, LMR-LW240

## PE5131

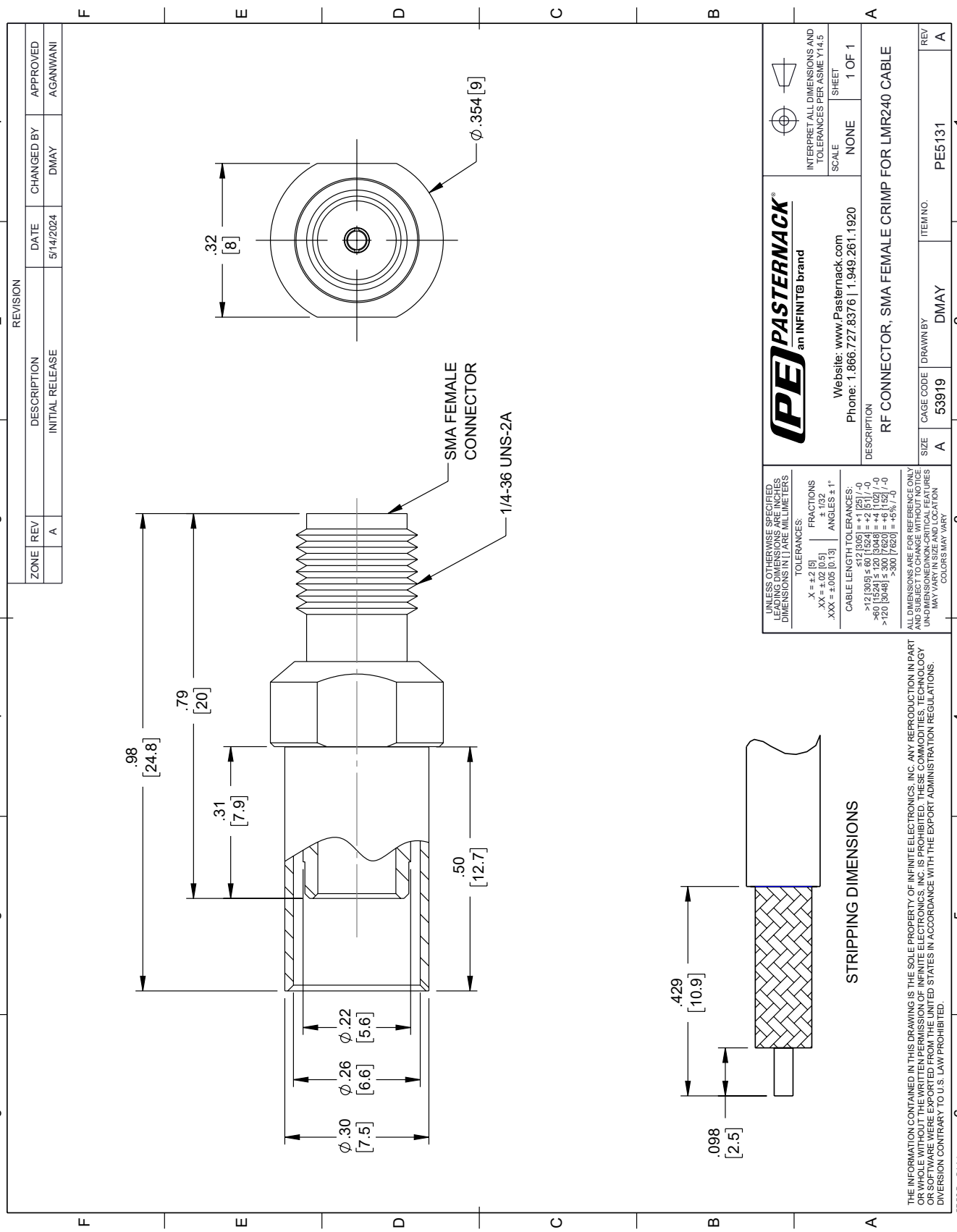
SMA Female Connector Crimp Attachment for LMR240, RG8X, PE-C240, TCOM-240-FR, LMR-240-UF, LMR-240-DB, TCOM-240, LMR-240-FR, LMR-LW240 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and 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 Female Connector Crimp Attachment for LMR240, RG8X, PE-C240, TCOM-240-FR, LMR-240-UF, LMR-240-DB, TCOM-240, LMR-240-FR, LMR-LW240 PE5131

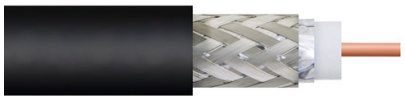
URL: https://www.pasternack.com/sma-female-lmr240-rg8x-fr-lmr-240-uf-connector-pe5131-p.aspx

# PE5131 CAD Drawing

SMA Female Connector Crimp Attachment for LMR240, RG8X, PE-C240, TCOM-240-FR, LMR-240-UF, LMR-240-DB, TCOM-240, LMR-240-FR, LMR-LW240



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



## LMR-240-DB

TIMES MICROWAVE SYSTEMS An Amphenol Company

## Times Microwave Systems Connector Specification

### Configuration

- Low Loss Flexible Cable
- 2 Shield(s)

### Features

- Easily Routed
- Low Loss Cable
- RF Shielding > 90dB
- Designed for Outdoor Use
- Watertight

### Applications

- Jumper Assemblies
- Short Antenna Feeder Runs
- Wireless Communications

### Description

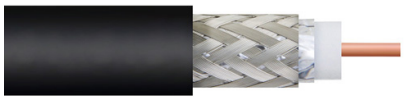
LMR-240-DB part number from Pasternack is a LMR-240-DB coax cable that is flexible. Pasternack LMR-240-DB flexible coax cable is 50 Ohm and has a PE (F) dielectric. Our LMR-240-DB coax is constructed with a 0.24 jacket made of PE. LMR-240-DB coax has a shield count of 2, a RF shielding of 90 dB and the maximum frequency for this Pasternack cable is 8 GHz. LMR-240-DB coax cable has an attenuation at 1 GHz of 7.66 dB.

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

### 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 | | | 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 |

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



## LMR-240-DB

### 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 |

Electrical Specification Notes:
Values at 25°C, sea level.
Attenuation = 0.242080*sqrt(FMHz) + 0.000330

### Mechanical Specifications

| | |
|---|---|
| Diameter | 0.24 in [6.1 mm} |
| Weight | 0.034 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

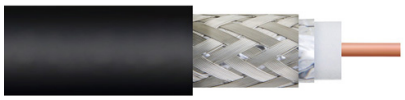
| Description | Material and Plating | Diameter |
|---|---|---|
| Inner Conductor | Copper, 1 Strand | 0.056 in [1.42 mm] |
| Conductor Type | Solid | |
| Dielectric | PE (F) | 0.15 in [3.81 mm] |
| First Shield | Aluminum Tape | 0.155 in [3.94 mm] |
| Second Shield | Tinned Copper Braid | 0.178 in [4.52 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 |

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



## LMR-240-DB

Environmental Specification Notes:
Designed for indoor and outdoor use.

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

**Plotted and Other Data**

Notes:

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

URL: https://www.pasternack.com/low-loss-flexible-lmr240db-pe-jacket-double-shielded-black-lmr-240-db-p.aspx

# LMR-240-DB CAD Drawing

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