

SMA Male Right Angle Connector Crimp/Solder  
Attachment for LMR-240, PE-C240



**RF Connectors**  
**Technical Data Sheet**



**TC-240-SM-RA-SS-D**

**Times Microwave Systems Connector Specification**

**Configuration**

- SMA Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-240, PE-C240

**Features**

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 50  $\mu$ m contact plating

**Applications**

- General Purpose Test
- Custom Cable Assemblies

**Description**

Pasternack's TC-240-SM-RA-SS-D Right Angle, SMA, Standard, Connector is part of our full line of RF components available for same-day shipping. Our 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.

Our SMA male right angle connector TC-240-SM-RA-SS-D 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    |
| Operating Voltage (AC)               |         |         | 500     | Vrms  |
| Impedance                            |         | 50      |         | Ohms  |
| Dielectric Withstanding Voltage (AC) |         |         | 1,000   | Vrms  |
| Insulation Resistance                | 5,000   |         |         | MOhms |

**Mechanical Specifications**

|               |                    |
|---------------|--------------------|
| <b>Size</b>   |                    |
| Length        | 0.56 in [14.10 mm] |
| Width         | 0.31 in [7.92 mm]  |
| Height        | 0.05 in [1.37 mm]  |
| Weight        | 0.02 lbs [8.16 g]  |
| Mating Cycles | 500 Cycles         |

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/Solder Attachment for LMR-240, PE-C240 TC-240-SM-RA-SS-D](#)



## SMA Male Right Angle Connector Crimp/Solder Attachment for LMR-240, PE-C240

### RF Connectors Technical Data Sheet



**TC-240-SM-RA-SS-D**

Mating Torque 7 to 10 in-lbs [0.79 to 1.13 Nm]  
Cable Retention Force 60 lbs [27.22 kg]

#### Material Specifications

| Description  | Material                   | Plating        |
|--------------|----------------------------|----------------|
| Contact      | Brass                      | Gold<br>50 µin |
| Insulation   | PTFE                       |                |
| Body         | Passivated Stainless Steel |                |
| Coupling Nut | Passivated Stainless Steel |                |

#### 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

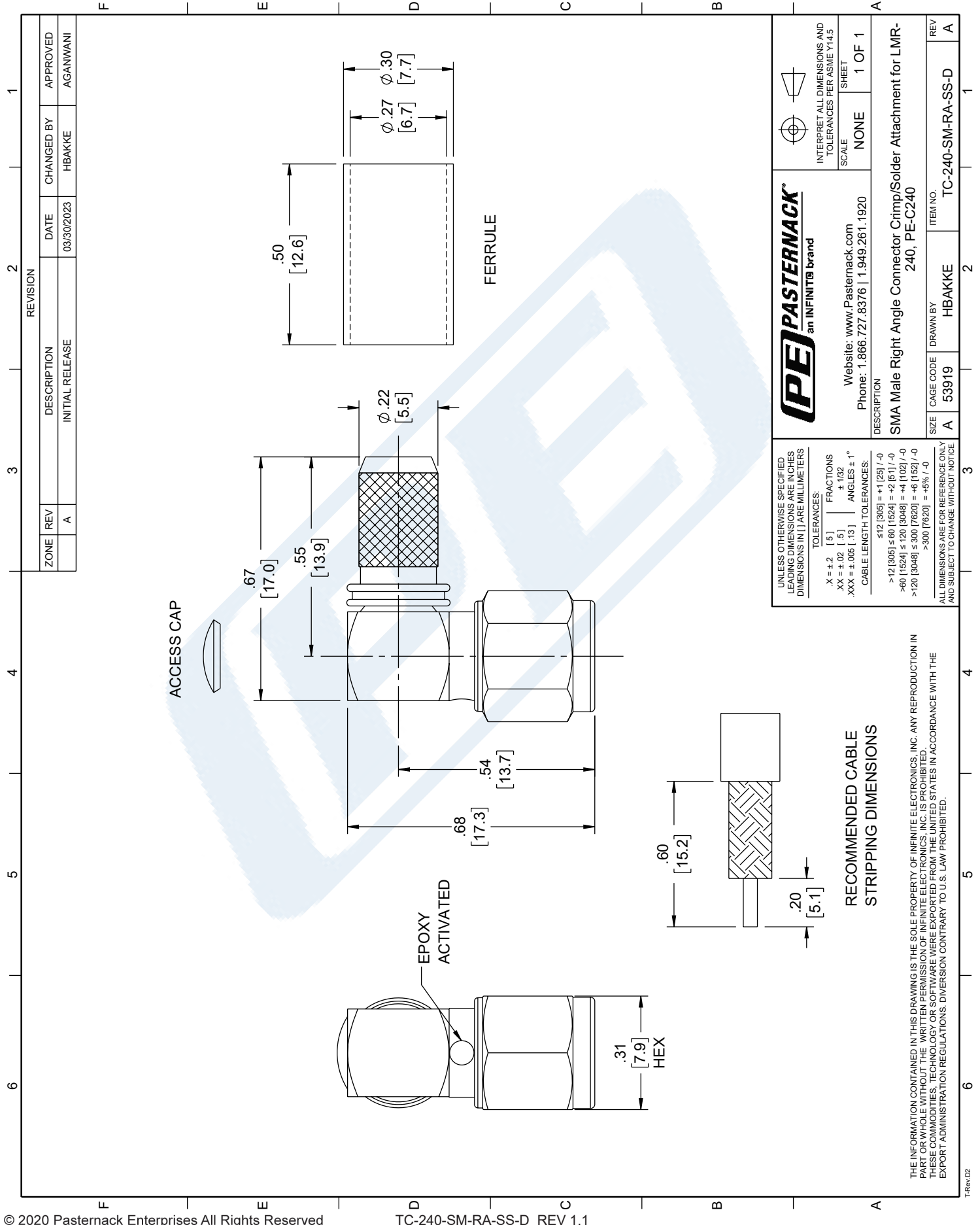
Notes:

SMA Male Right Angle Connector Crimp/Solder Attachment for LMR-240, 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.

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URL: <https://www.pasternack.com/sma-male-lmr-240-pe-c240-connector-tc-240-sm-ra-ss-d-p.aspx>

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Attachment for LMR-240, PE-C240



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**Technical Data Sheet**



**TC-240-SM-RA-SS-D**

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- 50 Ohms
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Shock MIL-STD 202G, Meth. 213, Cond. I  
Vibration MIL-STD 202G, Meth. 204, Cond. D  
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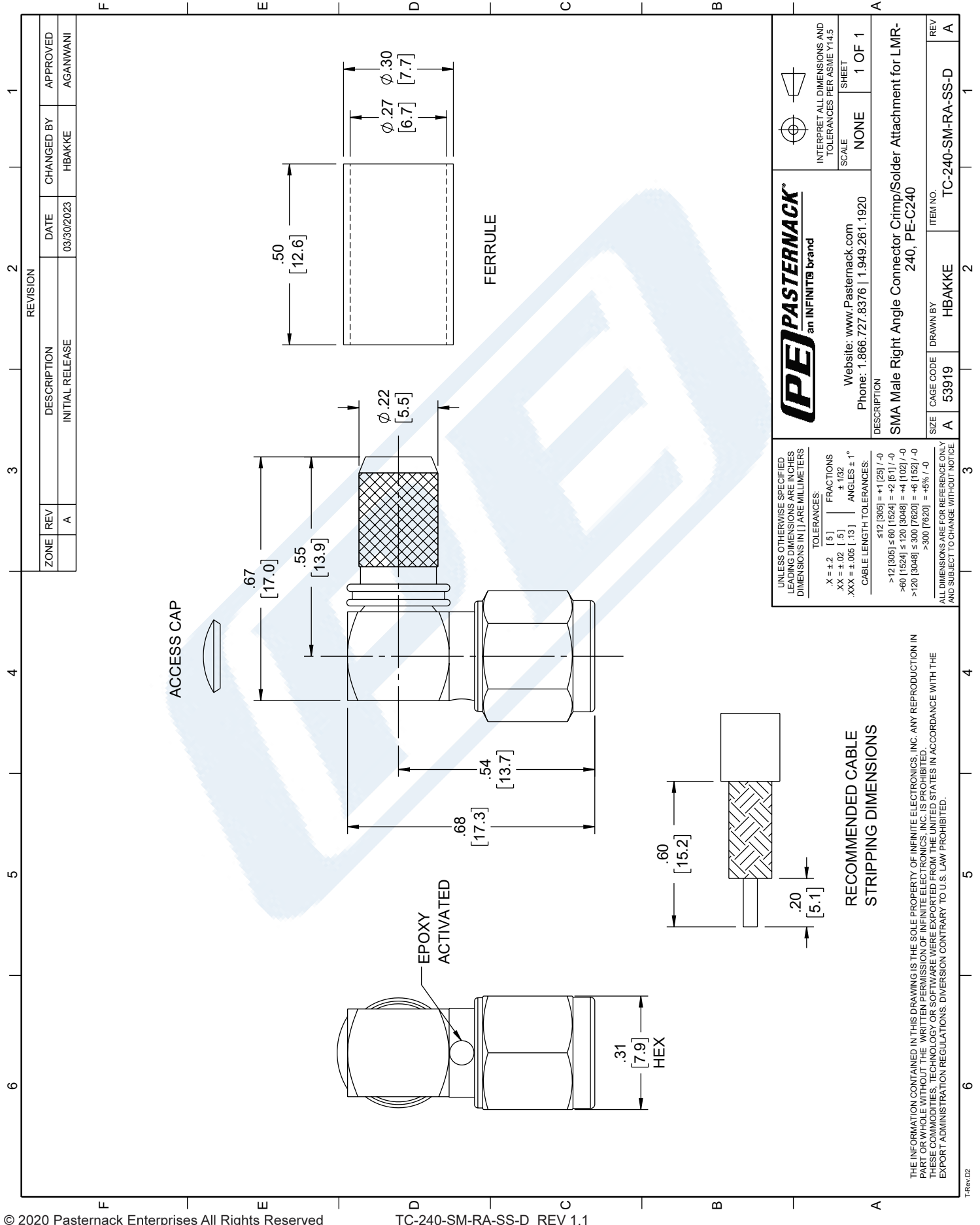
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## Low PIM Flexible TCOM-240 Coax Cable

### Double Shielded with Black PE Jacket

## RF Cables

### Technical Data Sheet


**TCOM-240**

### Times Microwave Systems Coax Cable Specification

#### Configuration

- Low PIM Flexible Cable
- 2 Shield(s)

#### Description

TCOM-240 part number from Pasternack is a low PIM coax cable that is flexible. Pasternack flexible coax RF cable has an impedance of 50 Ohm and a Foam PE dielectric. Our TCOM-240 coax cable is constructed with a 0.24-inch jacket made of polyethylene. This coaxial cable has a dielectric withstanding voltage of 1500 Vdc.

The TCOM-240 flexible RF cable has a shield count of 2 and RF shielding of 100 dB. Our coax cable from Pasternack has a maximum frequency of 10 GHz. The maximum passive intermodulation of this low PIM cable is -155 dBc. Additional specifications for this TCOM-240 double-shielded RF coaxial cable are on our downloadable PDF datasheet above.

Our TCOM-240 coax cable can operate at temperatures ranging from -40 to 85 degrees C. This black-colored flexible RF cable with a 50 Ohm impedance has a typical insertion loss/maximum attenuation of 26.2 dB/100ft at a frequency of 10 GHz. The TCOM-240 flexible RF cable has a solid copper center conductor. This coaxial cable features a dual shield of tinned copper braid over the silver plated copper braid.

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

#### Electrical Specifications

| Description                          | Minimum | Typical     | Maximum | 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          |
| Dielectric Withstanding Voltage (DC) |         |             | 1,500   | Vdc          |
| Jacket Spark                         |         |             | 5,000   | Vrms         |
| Inner Conductor DC Resistance        |         |             | 3.2     | Ohms/1000ft  |
| Outer Conductor DC Resistance        |         |             | 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       |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Low PIM Flexible TCOM-240 Coax Cable Double Shielded with Black PE Jacket TCOM-240](#)



## Low PIM Flexible TCOM-240 Coax Cable Double Shielded with Black PE Jacket

### RF Cables Technical Data Sheet


**TCOM-240**

#### 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  | 3.5   | 5    | 7.2   | 9.4   | dB/100ft |
|                       | 9.51 | 11.48 | 16.4 | 23.62 | 30.84 | dB/100m  |
| Input Power (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  | 10.9  | 12.3  | 19.4  | 26.2  | dB/100ft |
|                       | 33.79 | 35.76 | 40.35 | 63.65 | 85.96 | dB/100m  |
| Input Power (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 Strand           | 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]  |

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## Low PIM Flexible TCOM-240 Coax Cable Double Shielded with Black PE Jacket

### RF Cables Technical Data Sheet



**TCOM-240**

|               |                     |                    |
|---------------|---------------------|--------------------|
| 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:

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URL: <https://www.pasternack.com/low-pim-flexible-tcom240-pe-jacket-silver-plated-copper-braid-over-tinned-copper-braid-outer-conductor-double-shielded-tcom-240-p.aspx>

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