



N Male Right Angle Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet

PE44524

Configuration

- N Male Connector
- 50 Ohms
- Right Angle Body Geometry
- PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch Interface Type
- Crimp/Solder Attachment

Features

- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44524 type N male right angle connector with crimp/solder attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195 and 0.195 inch is part of our full line of RF components available for same-day shipping. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE44524 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.

Mechanical Specifications

Size

| | |
|------------|--------------------|
| Length | 1.31 in [33.27 mm] |
| Width/Dia. | 0.71 in [18.03 mm] |
| Height | 1.19 in [30.23 mm] |
| Weight | 0.11 lbs [49.9 g] |

Material Specifications

| Description | Material | Plating |
|--------------|----------|-----------|
| Contact | Brass | Gold |
| Insulation | PTFE | |
| Body | Brass | Tri-Metal |
| Coupling Nut | Brass | Tri-Metal |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch PE44524](#)



N Male Right Angle Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch

RF Connectors Technical Data Sheet

PE44524

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

Plotted and Other Data

Notes:

N Male Right Angle Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch from Pasternack Enterprises 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.

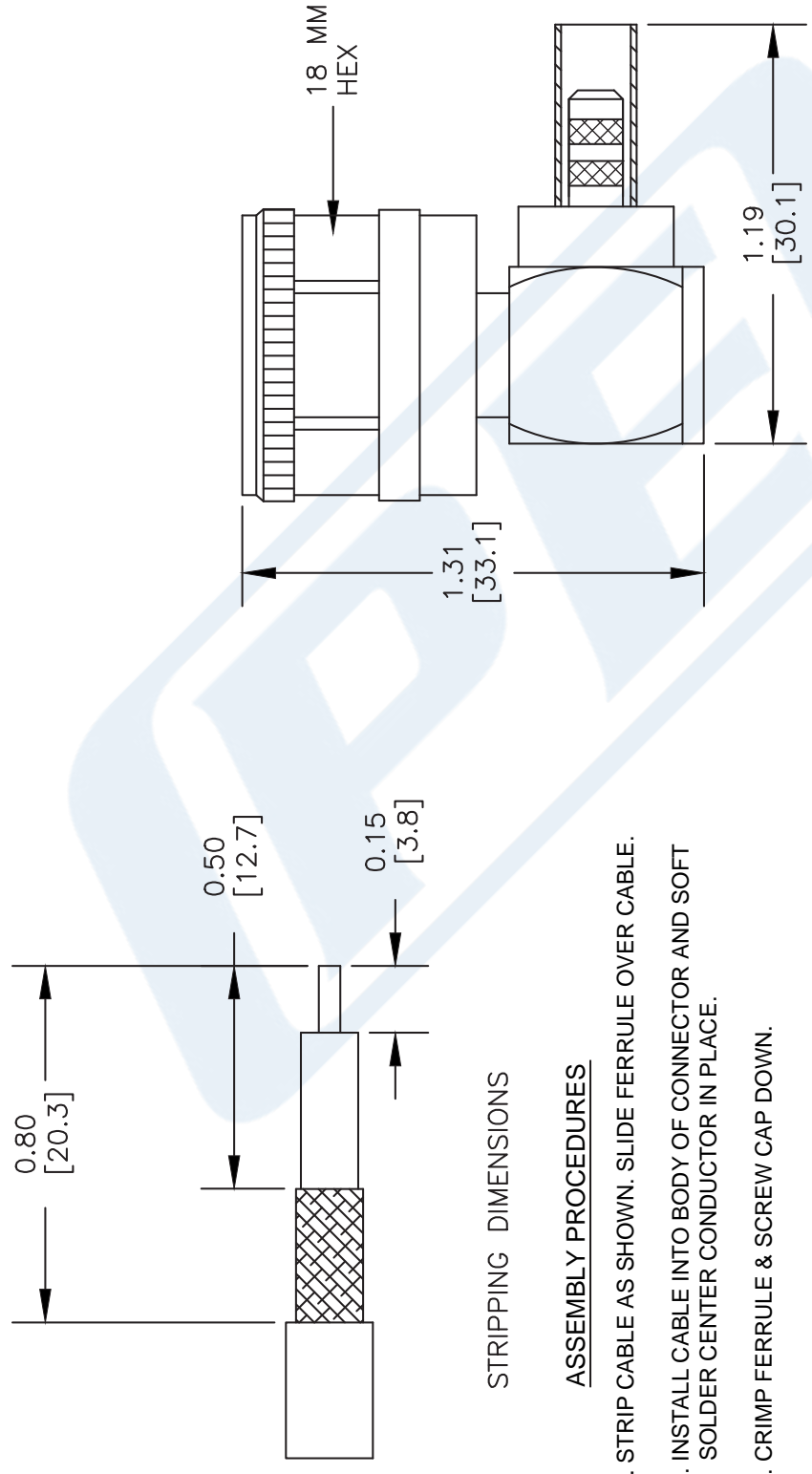
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch PE44524](#)

URL: <https://www.pasternack.com/n-male-standard-pe-c195-0.195-connector-pe44524-p.aspx>

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PE44524 CAD Drawing

N Male Right Angle Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG141, RG303, LMR-195, 0.195 inch



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

- 1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.
- 2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
- 3. CRIMP FERRULE & SCREW CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: .213" HEX CRIMP TOOL

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DWG TITLE
PE44524

FSCM NO. 53919

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].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

CAD FILE 032213-B
SCALE N/A
SIZE A

2233



SMA Male Right Angle Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

RF Connectors Technical Data Sheet

PE4405

Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch Interface Type
- Crimp/Solder Attachment
- 5/16 inch Hex

Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.4:1
- Gold Plated Brass Contact
- 50 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4405 SMA male right angle connector with crimp/solder attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and .195 inch 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 12.4 GHz and offers good VSWR of 1.4:1. Its right angle body geometry allows for easier connections in tight spaces.

Our SMA male right angle connector PE4405 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 | | 12.4 | GHz |
| VSWR | | | 1.4:1 | |
| Operating Voltage (AC) | | | 500 | Vrms |

Mechanical Specifications

| | |
|---------------|---------------------------------|
| Size | |
| Length | 0.8 in [20.32 mm] |
| Width/Dia. | 0.315 in [8.00 mm] |
| Height | 0.65 in [16.51 mm] |
| Weight | 0.017 lbs [7.71 g] |
| Mating Torque | 3 to 5 in-lbs [0.34 to 0.57 Nm] |

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 RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch PE4405](#)



SMA Male Right Angle Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

RF Connectors Technical Data Sheet

PE4405

Material Specifications

| Description | Material | Plating |
|--------------|----------|---------------------------|
| Contact | Brass | Gold 50 µin minimum |
| Insulation | PTFE | |
| Body | Brass | Nickel 100 µin minimum |
| Coupling Nut | Brass | Nickel 100 µin minimum |
| Crimp Sleeve | Brass | Nickel |

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

SMA Male Right Angle Connector Crimp/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch 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/Solder Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch PE4405](#)

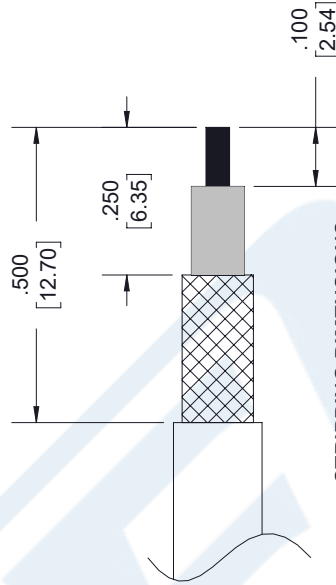
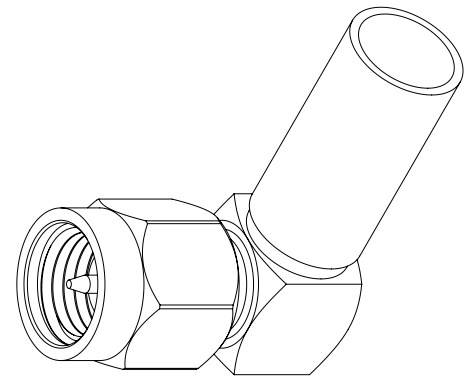
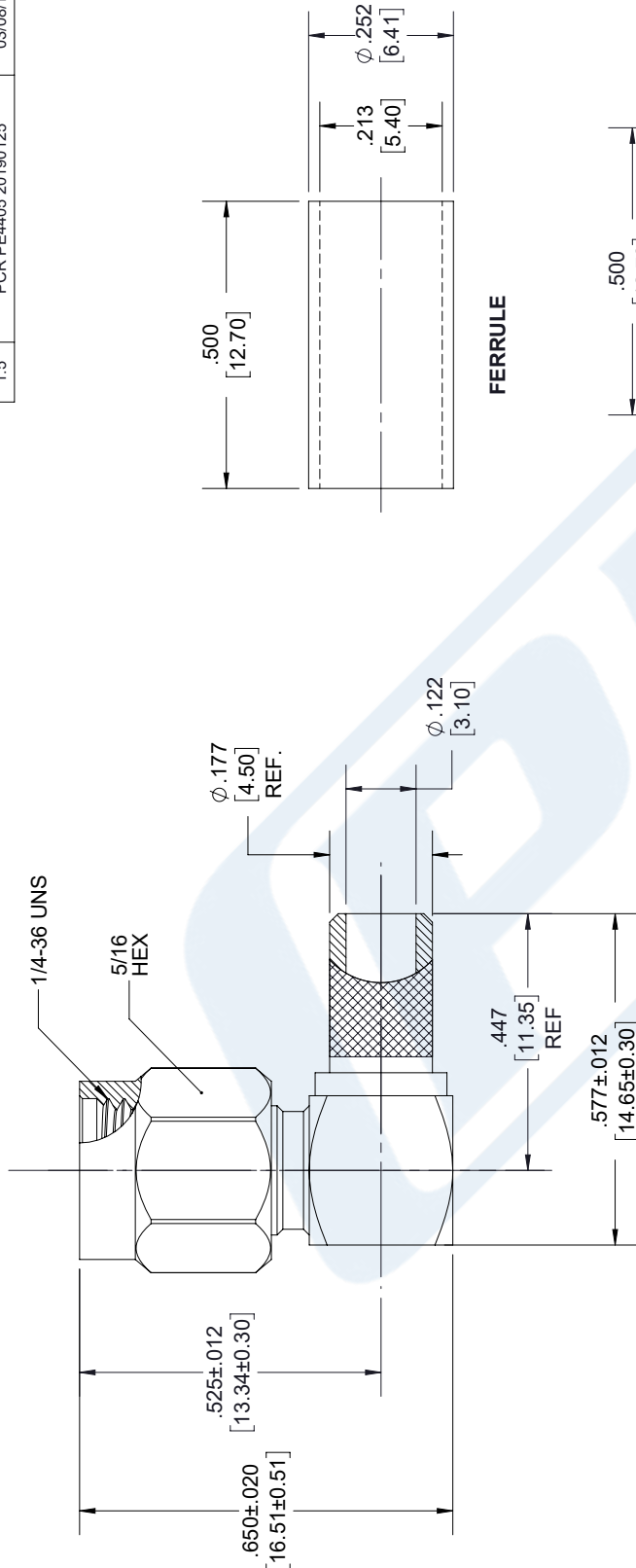
URL: <https://www.pasternack.com/sma-male-standard-rg58-connector-pe4405-p.aspx>

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PE4405 CAD Drawing

SMA Male Right Angle Connector Crimp/Solder Attachment for RG58,
RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch

| REVISIONS | | | |
|-----------|---------------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| 1.5 | PCR PE4405 20190125 | 03/08/19 | J.GARCIA |



STRIPPING DIMENSIONS

NOTES:

- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER.
- CRIMP SIZE REQUIRED:
 - FERRULE: .213" HEX. CRIMP TOOL
 - CONTACT: SOLDER.

| | |
|---|-----------|
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS | |
| TOLERANCES: | FRACTIONS |
| X±.2 [5.08] | ±.132 |
| XX±.01 [.25] | ±.132 |
| XXX±.005 [.13] | ±.132 |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | |
| THIRD-ANGLE PROJECTION | |
| | |

| | |
|--|--------|
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| SIZE | CAGE |
| A | 53919 |
| DRAWN BY | K.DANG |
| PART NUMBER | PE4405 |
| REV | 1.5 |

| | |
|--|--------|
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| SHEET | 1 OF 2 |
| SCALE | N/A |

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LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax

RF Cables Technical Data Sheet



LMR-195-UF

Times Microwave Systems Coax Cable Specification

Configuration

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

Features

- Ultra Flexible Coax with Stranded Center Conductor
- Max Operating Frequency of 5.8 GHz
- Phase Velocity 74% VoP
- Max Operating Temperature +85°C
- TPE Jacket
- Min Install Bend Radius of 0.5 inches

Applications

- RF Test Systems
- Antenna Installs
- Laboratory Applications
- General Purpose RF Interconnect
- Jumper Assemblies

Description

LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax from Times Microwave is part of the large product offering by Pasternack of radio frequency coaxial cable types specifically stocked to be ready for same-day shipment. Pasternack LMR-195-UF coax cable is manufactured in an ultra flexible design and has a 50 Ohm impedance. This low loss and ultra flexible 50 Ohm coax cable LMR-195-UF is constructed with a 0.195 inch diameter and Black TPE jacket.

LMR-195-UF flexible 50 Ohm coax cable with TPE jacket is rated for a 5.8 GHz maximum operating frequency. This 50 Ohm 0.195 inch diameter and low loss ultra flexible coax cable is built with an aluminum double shield count and RF shielding of 90 dB. Times Microwave LMR-195-UF TPE coax is constructed with Foam PE dielectric and a maximum operating temperature of 85 degrees C. Pasternack's offering of LMR-195-UF coax cable provides specs for this wire on its RF coax cable LMR-195-UF datasheet.

LMR-195-UF cable is part of more than one million RF, microwave parts in stock at Pasternack. This Times Microwave low loss ultra flexible LMR-195-UF coax cable is ready to buy and can be shipped worldwide. Pasternack also maintains a wide selection of other radio frequency coaxial cable types that ship same-day from our warehouse as with the rest of our other RF/microwave components.

* LMR™ is a trademark of Times Microwave Systems.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|-----------|---------|------------|
| Frequency Range | DC | | 5.8 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 74 | | % |
| Time Delay | | 1.27 4.17 | | ns/ft ns/m |
| Shielding Effectiveness | 90 | | | dB |
| Dielectric Withstanding Voltage (DC) | | | 1,000 | Vdc |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax LMR-195-UF](#)



LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax

RF Cables Technical Data Sheet



LMR-195-UF

| | | |
|-------------------------------|--------------|--------------|
| Jacket Spark | 3,000 | Vrms |
| Inner Conductor DC Resistance | 9.5 | Ohms/1000ft |
| Outer Conductor DC Resistance | 4.9 | Ohms/1000ft |
| Nominal Capacitance | 25.4 [83.33] | pF/ft [pF/m] |
| Nominal Inductance | 0.064 [0.21] | uH/ft [uH/m] |
| Input Power (Peak) | 2.5 | kWatts |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|------|-------|-----|-------|-------|----------|
| Frequency | 50 | 150 | 220 | 450 | 900 | MHz |
| Attenuation, Typ | 3 | 5.3 | 6.4 | 9.3 | 13.2 | dB/100ft |
| | 9.84 | 17.39 | 21 | 30.51 | 43.31 | dB/100m |
| Input Power (CW), Max | 610 | 350 | 280 | 200 | 140 | Watts |

| Description | F6 | F7 | F8 | F9 | F10 | Units |
|-----------------------|-------|-------|-------|-------|-------|----------|
| Frequency | 1.5 | 1.8 | 2 | 2.5 | 5.8 | GHz |
| Attenuation, Typ | 17.3 | 19 | 20.1 | 22.6 | 35.6 | dB/100ft |
| | 56.76 | 62.34 | 65.94 | 74.15 | 116.8 | dB/100m |
| Input Power (CW), Max | 100 | 90 | 90 | 80 | 50 | Watts |

Mechanical Specifications

| | |
|---------------------------------|--------------------------|
| Diameter | 0.195 in 4.95 mm |
| Weight | 0.021 lbs/ft [0.03 Kg/m] |
| Min. Bend Radius (Installation) | 0.5 in [12.7 mm] |
| Min. Bend Radius (Repeated) | 2 in [50.8 mm] |
| Bending Moment | 0.1 lbs-ft [0.14 N-m] |
| Tensile Strength | 40 lbs [18.14 kg] |
| Flat Plate Crush | 10 lbs/in [0.18 Kg/mm] |

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|----------------------|--------------------|
| Inner Conductor | Copper, 1 Strand | 0.038 in [0.97 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax LMR-195-UF](#)



LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax

RF Cables Technical Data Sheet



LMR-195-UF

| | | |
|----------------|---------------|--------------------|
| Conductor Type | Stranded | |
| Dielectric | Foam PE | 0.11 in [2.79 mm] |
| First Shield | Aluminum Tape | [] |
| Second Shield | Tinned Copper | [] |
| Jacket | TPE, Black | 0.195 in [4.95 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:

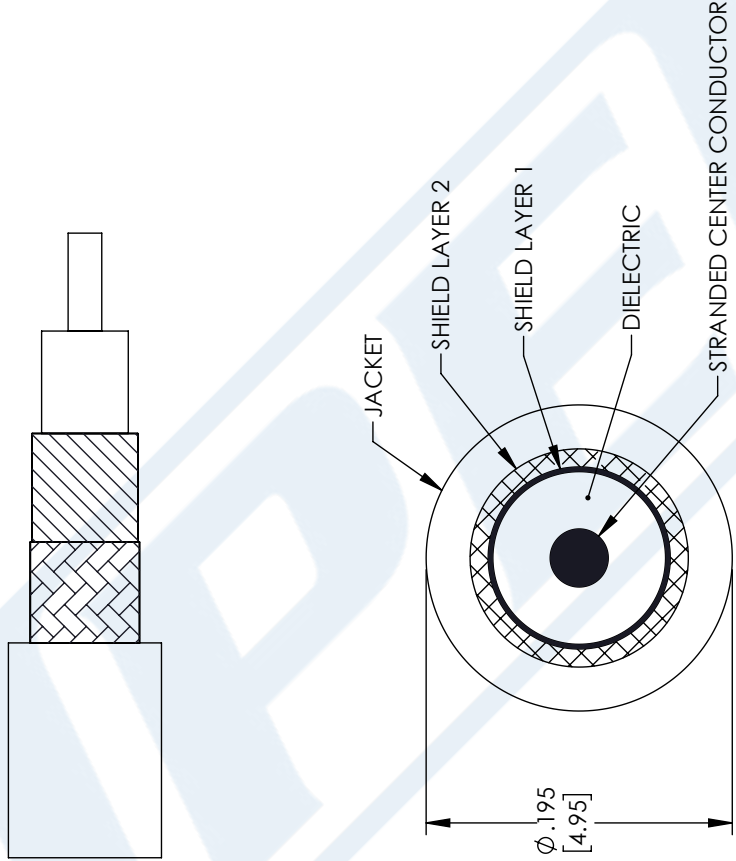
LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [LMR-195-UF Ultra Flex version of the 195 series Low Loss Coax LMR-195-UF](#)

URL: <https://www.pasternack.com/low-loss-flexible-lmr-195-uf-tpe-jacket-aluminum-tape-over-tinned-copper-outer-conductor-double-shielded-lmr-195-uf-p.aspx>

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| REVISIONS | | | |
|-----------|-----------------|------------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| A | INITIAL RELEASE | 06-04-2021 | SELLIS |



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

TOLERANCES:

| | | | |
|---------------|----------|------------------|-------------|
| X = ± .2 | [.008] | FRACTIONS | ± 1/32 |
| .XX = ± .02 | [.51] | ANGLES | ± 1° |
| .XXX = ± .005 | [.13] | 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% / -0

ALL DIMENSIONS SHOWN
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E-mail: sales@pasternack.com

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
SCALE N/A

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|------|-----------|------------|------------|-----|
| SIZE | CAGE CODE | DRAWN BY | ITEM NO. | REV |
| A | 53919 | MVEERAPPAN | LMR-195-UF | A |

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