

TNC Female Right Angle Bulkhead Mount Connector Crimp/ Solder Attachment for PE-C200, LMR-200, .480 inch D Hole



PE44847

Configuration

- TNC Female Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: PE-C200, LMR-200
- Bulkhead

Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.35:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE44847 Right Angle, TNC, Standard, Connector is part of our full line of RF components available for same-day shipping. Our TNC female connector operates up to a maximum frequency of 11 GHz and offers good VSWR of 1.35:1. Its right angle body geometry allows for easier connections in tight spaces. This TNC bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our TNC female right angle bulkhead connector PE44847 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		11	GHz
VSWR			1.35:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			0.5	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3					GHz
Insertion Loss, Max	0.2					dB

Electrical Specification Notes:
RF leakage: 60 dB min at 3GHz.

TNC Female Right Angle Bulkhead Mount Connector Crimp/ Solder Attachment for PE-C200, LMR-200, .480 inch D Hole

PE44847



Mechanical Specifications

Size	
Length	1.75 in [44.45 mm]
Width	0.7 in [17.78 mm]
Height	1.338 in [33.99 mm]
Weight	0.074 lbs [33.57 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Outer Conductor	Brass	Nickel
Body	Brass	Nickel 100 µin minimum
O-Ring	Silicon	

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C
Vibration	MIL-STD-202, Method 204, Condition B
Temperature Cycle	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

TNC Female Right Angle Bulkhead Mount Connector Crimp/Solder Attachment for PE-C200, LMR-200, .480 inch D Hole 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: [TNC Female Right Angle Bulkhead Mount Connector Crimp/Solder Attachment for PE-C200, LMR-200, .480 inch D Hole PE44847](#)

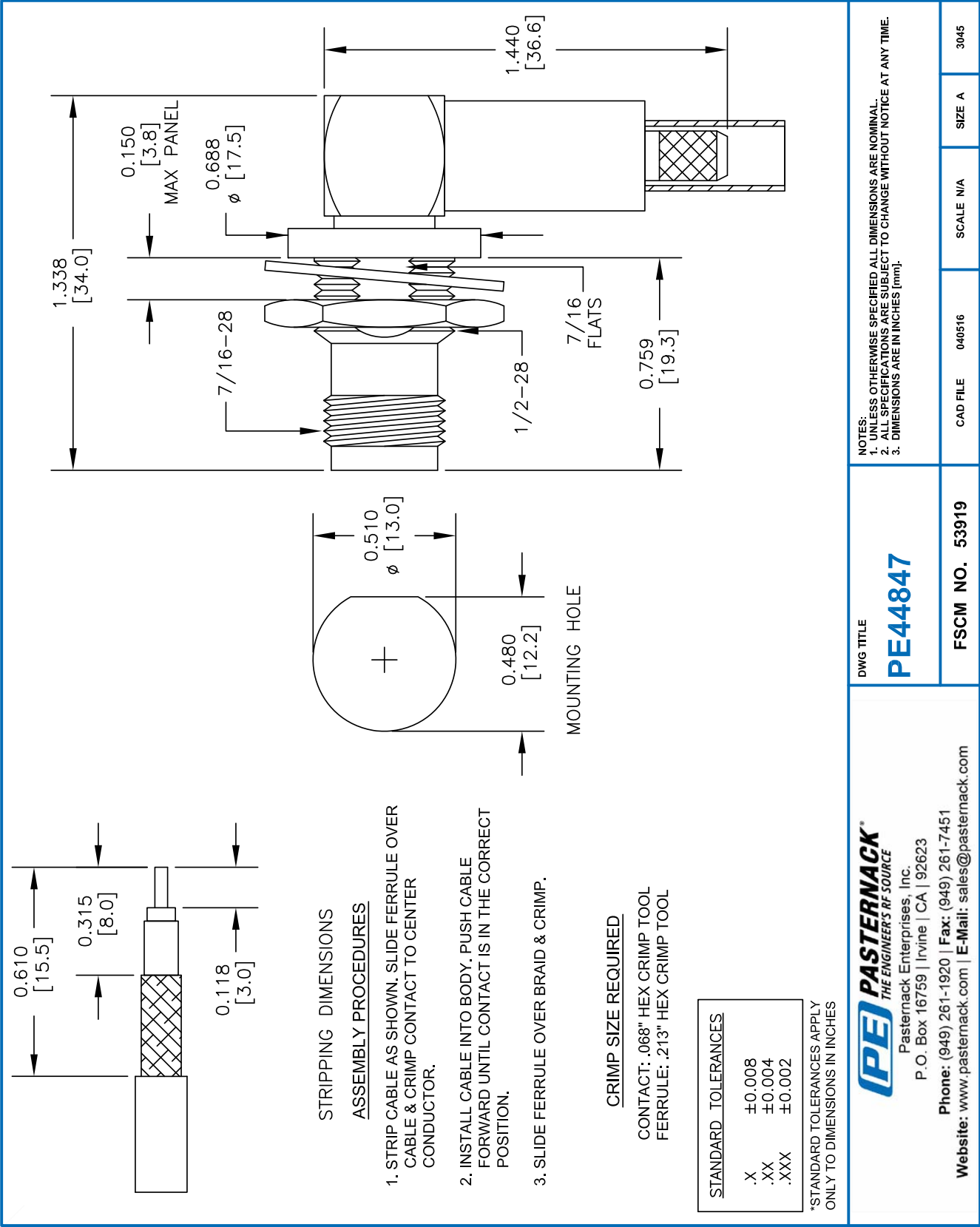
URL: <https://www.pasternack.com/tnc-female-standard-pe-c200-lmr-200-connector-pe44847-p.aspx>

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.

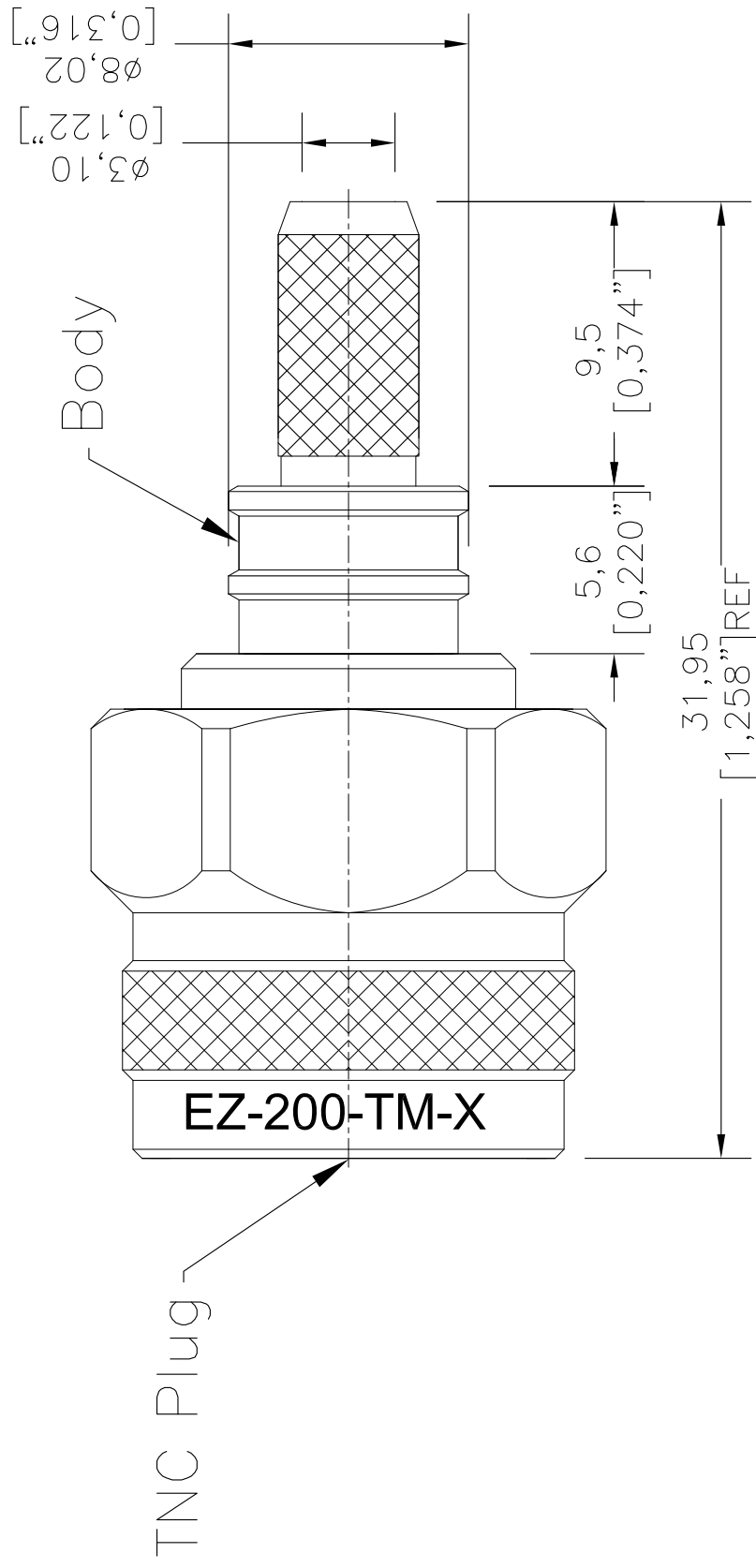
PE44847 CAD Drawing

TNC Female Right Angle Bulkhead Mount Connector Crimp/Solder

Attachment for PE-C200, LMR-200, .480 inch D Hole



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I. MATERIALS & FINISHES

II. ELECTRICAL PROPERTIES

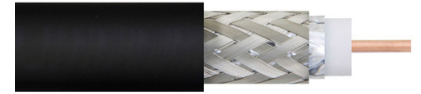
Components Materials Finishes

Thk. (μ")

Impedance (Ω):

50

Low Loss Flexible LMR-200 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-200

Configuration

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

Features

- Max Operating Frequency of 8 GHz
- Low Loss Cable
- Phase Velocity 83% VoP

Applications

- Laboratory Applications
- General Purpose RF Interconnect

Description

LMR-200 part number from Pasternack is a LMR-200 coax cable that is flexible. Pasternack LMR-200 flexible coax cable is 50 Ohm and has a PE (F) dielectric. Our LMR-200 coax is constructed with a 0.195 jacket made of PE. LMR-200 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-200 coax cable has an attenuation at 1 GHz of 10.5 dB.

Pasternack LMR-200 coax cables are part of over 40,000 RF, microwave and millimeter wave components. LMR-200 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using LMR-200 or other coax can be built and shipped same day as well.

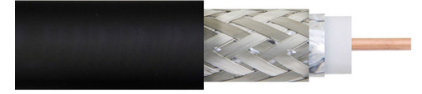
Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Cutoff Frequency		39		GHz
Impedance		50		Ohms
Velocity of Propagation		83		%
Time Delay		1.22 [4]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			1,000	Vdc
Jacket Spark			3,000	Vrms
Inner Conductor DC Resistance			5.36	Ohms/1000ft
Outer Conductor DC Resistance			4.9	Ohms/1000ft
Nominal Capacitance		24.5 [80.38]		pF/ft [pF/m]
Nominal Inductance		0.061 [0.2]		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

Low Loss Flexible LMR-200 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-200

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Attenuation, Typ	2.3	4	4.8	7	9.9	dB/100ft
	7.55	13.12	15.75	22.97	32.48	dB/100m
Input Power (CW), Max	790	450	370	260	180	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	5.8	GHz
Attenuation, Typ	12.9	14.2	15	16.9	26.4	dB/100ft
	42.32	46.59	49.21	55.45	86.61	dB/100m
Input Power (CW), Max	140	130	120	110	70	Watts

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.024 lbs/ft [0.04 kg/m]
Min. Bend Radius (Installation)	0.5 in [12.7 mm]
Min. Bend Radius (Repeated)	2 in [50.8 mm]
Bending Moment	0.2 lbs-ft [0.27 N-m]
Tensile Strength	40 lbs [18.14 kg]
Flat Plate Crush	15 lbs/in [0.27 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strand	0.044 in [1.12 mm]
Conductor Type	Solid	
Dielectric	PE (F)	0.116 in [2.95 mm]
First Shield	Aluminum Tape	0.121 in [3.07 mm]
Second Shield	Tinned Copper Braid	0.144 in [3.66 mm]
Jacket	PE, Black	0.195 in [4.95 mm]

Environmental Specifications

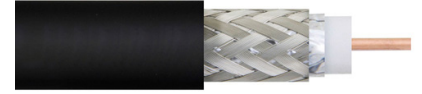
Temperature	
Operating Range	-40 to 85 deg C
Storage Range	-70 to 85 deg C

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

Plotted and Other Data

Notes:

Low Loss Flexible LMR-200 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket



LMR-200

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Low Loss Flexible LMR-200 Outdoor Rated Coax Cable Double Shielded with Black PE Jacket

