

20KV Male Connector Crimp/Solder Attachment for RG213 Cable



FMCN45841

Configuration

- 20KV Male Connector
- MIL-STD-202
- Straight Body Geometry
- Connector Interface Types: RG213

Features

- Gold over nickel over copper Plated Brass Contact
- High Density PE Insulator

Applications

- General Purpose Test
- Custom Cable Assemblies
- High Voltage Pulsed RF Transmission

Description

The Fairview Microwave FMCN45841 is designed for high voltage applications and is rated to 20KV. This 20KV male connector utilizes crimp/solder attachment for the contact. Our 20KV male coax connector from Fairview Microwave has an interface type of RG213.

The Fairview Microwave 20KV male coaxial connector has a PE (HD) dielectric type. This Fairview Microwave 20KV coax cable connector has a brass body with tinned copper plating. Our 20KV male connector uses brass contact with gold over nickel over copper plating material. This 20KV male coax RF connector is RoHS and REACH compliant, you can find this 20KV male coax connector datasheet specifications above.

Fairview Microwave standard straight male 20KV connector will ship the same day. Our 20KV standard straight male high voltage connector is part of over one million RF, microwave, and millimeter wave components in stock and ready for same-day shipment worldwide. We also build custom standard cable assemblies that will ship quickly from our location.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Operating Voltage (DC)			20,000	Vdc
Test Voltage (DC)			30,000	Vdc
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size

Length	3.9 in [99.06 mm]
Width	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.018 lbs [8.16 g]

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Material Specifications

Description	Material	Plating
Contact	Brass	Gold over nickel over copper
Insulation	PE (HD)	
Body	Brass	Tinned Copper
Coupling Nut	Brass	Tinned copper
Gasket	Silicone	
Crimp Sleeve	Brass	Tinned Copper
Washer	Brass	Tinned Copper

Environmental Specifications

Temperature

Operating Range
Salt Spray

-55 to +85 deg C
MIL-STD-202, Method 101, Condiiton B

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

Plotted and Other Data

Notes:

20KV Male Connector Crimp/Solder Attachment for RG213 Cable from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [20KV Male Connector Crimp/Solder Attachment for RG213 Cable FMCN45841](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/20kv-male-rg213-connector-fmcn45841.html>

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 impliment improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

FMCN45841 CAD Drawing

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