



SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55

RF Connectors Technical Data Sheet

PE44461

Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- RG142, RG223, RG400, RG55 Interface Type
- Crimp/Solder Attachment

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
VSWR			1.27:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	

Mechanical Specifications

Size

Length	1.12 in [28.45 mm]
Width/Dia.	0.51 in [12.95 mm]
Weight	0.018 lbs [8.16 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50µ in. minimum
Insulation	Teflon	
Body	Brass	Gold 10µ in. minimum
Coupling Nut	Brass	Nickel 100µ in. minimum

Compliance Certifications (visit www.Pasternack.com for current document)

Not RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55 PE44461](#)



SMA Male QD Connector Crimp/Solder Attachment
For RG142, RG223, RG400, RG55

RF Connectors Technical Data Sheet

PE44461

Plotted and Other Data

Notes:

SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55 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: [SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55 PE44461](http://www.pasternack.com/sma-male-quick-disconnect-for-rg223u-pe44461-p.aspx)

URL: <http://www.pasternack.com/sma-male-quick-disconnect-for-rg223u-pe44461-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE44461 CAD Drawing

SMA Male QD Connector Crimp/Solder Attachment For RG142, RG223, RG400, RG55



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
 FERRULE: .213" HEX CRIMP TOOL

DWG TITLE

PE44461

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.

FSCM NO. 53919

CAD FILE 050613

SCALE N/A

SIZE A

2233

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N Male Connector Crimp/Solder Attachment
For RG223, RG142, RG400, RG55

TECHNICAL DATA SHEET

PE44788

Configuration

Connector	N Male
Connector Specification	MIL-STD-348A
Connector Interface Type	RG223, RG142, RG400, RG55
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

Electrical Specifications

Frequency Range, GHz	DC to 11
Impedance, Ohms	50
Maximum Operating Voltage, Volts	1,500

Frequency 1

Frequency, GHz	DC to 6
VSWR	1.3:1

Mechanical Specifications

Temperature

Operating Range, deg C	-65 to +165
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Size

Length, in [mm]	1.37 [34.8]
Width/Dia., in [mm]	0.83 [21.08]
Weight, lbs [g]	0.06 [27.22]

Connector

Type	N Male
Contact Material and Plating	Brass, Gold
Coupling Nut Material and Plating	Brass, Tri-Metal
Hex Size, mm	18
Torque, in-lbs [Nm]	9 [1.02]
Body Material and Plating	Brass, Tri-Metal
Dielectric Type	Teflon

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
REACH Compliant	06/18/2012

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment For RG223, RG142, RG400, RG55 PE44788](#)

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N Male Connector Crimp/Solder Attachment
For RG223, RG142, RG400, RG55

TECHNICAL DATA SHEET

PE44788

Plotted and Other Data

Notes:

Values at 25 °C, sea level

N Male Connector Crimp/Solder Attachment For RG223, RG142, RG400, RG55 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic 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 Connector Crimp/Solder Attachment For RG223, RG142, RG400, RG55 PE44788](#)

URL: <http://www.pasternack.com/n-male-standard-rg223-rg142-rg400-rg55-connector-pe44788-p.aspx>

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PE44788 CAD Drawing

N Male Connector Crimp/Solder Attachment For RG223, RG142, RG400, RG55



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: .100" HEX CRIMP TOOL
 FERRULE: .213" HEX CRIMP TOOL

DWG TITLE

PE44788

- NOTES:
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 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

FSCM NO. 53919

CAD FILE 100813

SCALE N/A

SIZE A

150



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TECHNICAL DATA SHEET
RG142B/U

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Braid, Silver Plated Copper Braid
Jacket Material and Color	FEP, Tan

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.2
Maximum Operating Frequency, GHz	8
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	29.4 [96.46]
Maximum Operating Voltage, Volts	1,900

Electrical Specifications by Frequency
Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	3.9 [12.8]

Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13 [42.65]

Frequency 3

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	23.8 [78.08]

Frequency 4

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	36 [118.11]

Mechanical Specifications
Temperature

Operating Range, deg C	-55 to +200
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Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.037 [0.94]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket RG142B/U](#)

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TECHNICAL DATA SHEET RG142B/U

Dielectric:

Type	PTFE
Diameter, in [mm]	0.116 [2.95]

Shield:

Number of	2
Material 1	Silver Plated Copper Braid
Material 2	Silver Plated Copper Braid
Diameter, in [mm]	0.156 [3.96]

Jacket:

Material	FEP
Diameter, in [mm]	0.195 [4.95]
Color	Tan
One Time Minimum Bend Radius, in [mm]	0.984 [24.99]
Repeated Minimum Bend Radius, in [mm]	2 [50.8]
Weight, lbs/ft [Kg/m]	0.046 [0.07]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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URL: <http://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



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DWG TITLE		CAD FILE		SCALE	SIZE
RG142B/U		022808-A	N/A	A	2233
FSCM NO. 53919					

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