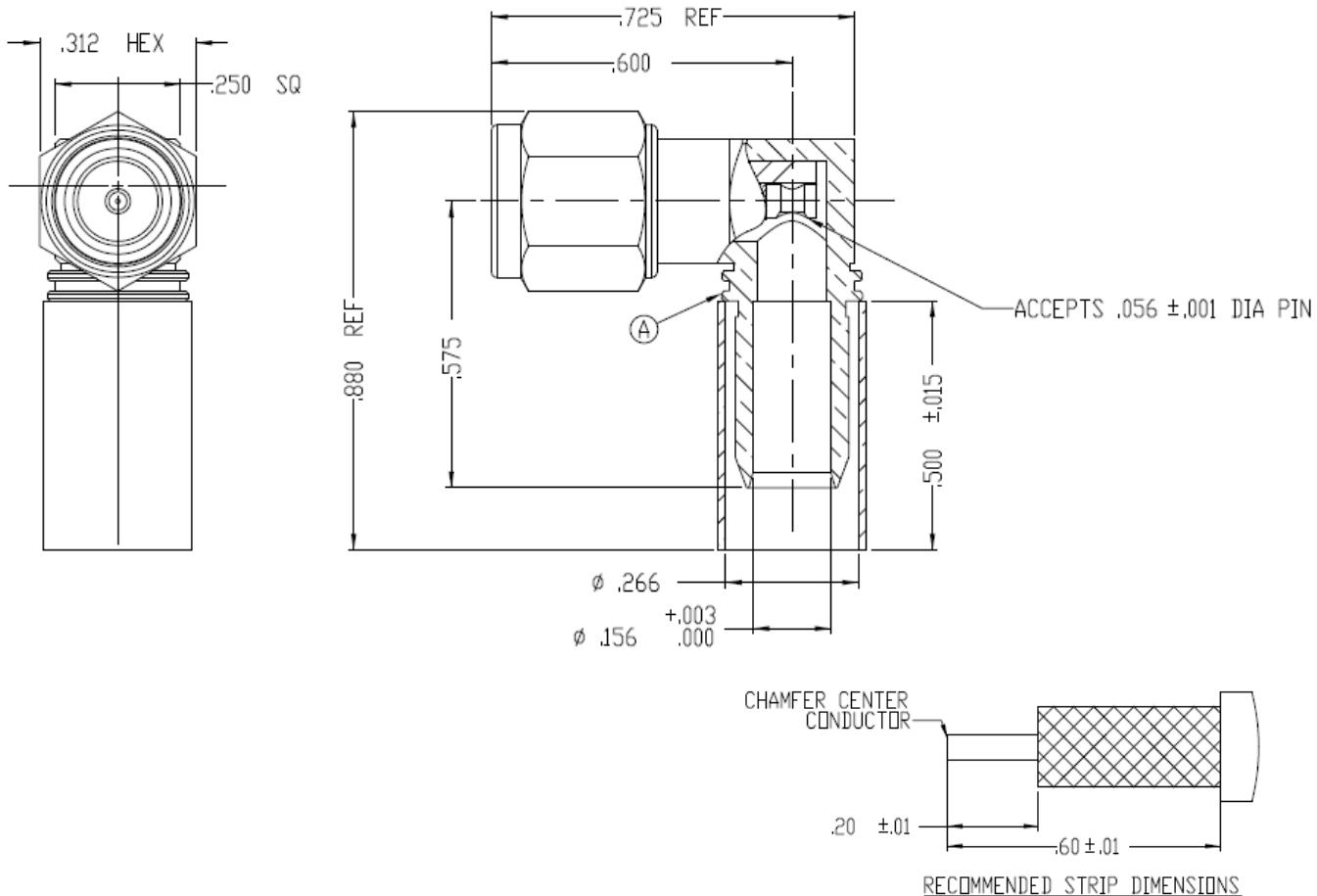


NOTICE OF PROPRIETARY RIGHTS THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA, INCLUDING TRADE SECRETS, PROPRIETARY TO TIMES MICROWAVE SYSTEMS. DISCLOSURE OF THIS DATA IS EXPRESSLY CONDITIONED UPON YOUR ASSENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF TIMES MICROWAVE SYSTEMS.

SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	9/5/13	J.D.B.	9/10/13



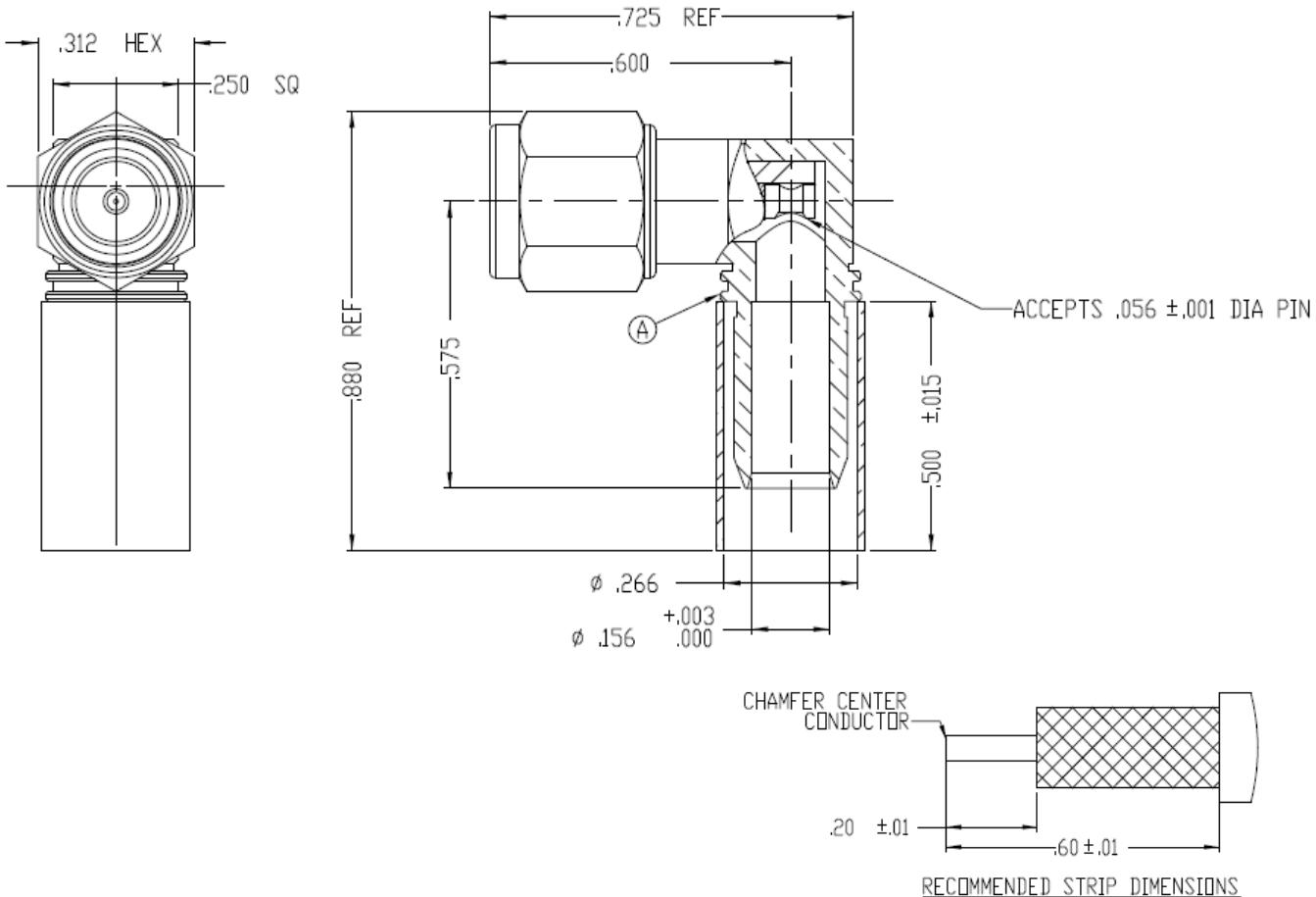
NOTES:

1. ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348
2. MATERIAL:
  - BODY, HEX NUT - BRASS PER ASTM B16, C36000 ALLOY, TEMPER H02
  - INSULATOR - TEFLON PER ASTM D1710, TYPE 1, GRADE 1, CLASS A
  - SHRINK SLEEVE - HEAT SHRINKABLE ATUM PER MIL-I-23053/4 (NOT SHOWN)
  - GASKET - SILICONE RUBBER PER A-A-59588, 50-75 DUROMETER
  - CRIMP SLEEVE - D.H.P. COPPER CDA, ALLOY #122, TEMPER HARD
  - CONTACT & LOCKING RING - BERYLLIUM COPPER PER ASTM B196, C17300 ALLOY, CONDITION HT
3. FINISH:
  - CONTACT - GOLD PLATE PER ASTM B488
  - CRIMP SLEEVE - SULFAMATE NICKEL PER MIL-P-27418
  - ALL OTHER METAL PARTS - ALBALDY PLATE PER DELTA SPEC. 111197

MATERIALS	UNLESS OTHERWISE SPECIFIED		DFTM	N. N. N	TIME'S MICROWAVE SYSTEMS
	ALL DIMENSIONS ARE IN INCHES	MACHINED SURFACES FINISH 63 RMS MAX.	DATE	9/5/13	
USED ON: B	REMOVE ALL BURRS .004 MAX.	BREAK MACHINE CORNERS .005 MAX.	CHKD	J. D. B.	EZ-240-SM-RA-X
	TOLERANCES ON DECIMALS .XX ± .01	XXX ± .005	DATE	9/10/13	CONNECTOR ASSEMBLY
SCALE: NONE	DWG SIZE A	ANGLES ± 1°	APPD	J. D. B.	90° SMAM for LMR-240
		FRACTIONS ± 1/64	DATE	9/10/13	SD3190-2899 REV A
			SH	1 of 1	

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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N.N.N	9/5/13	J.D.B.	9/10/13



NOTES:

1. ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348
2. MATERIAL:
  - BODY, HEX NUT - BRASS PER ASTM B16, C36000 ALLOY, TEMPER H02
  - INSULATOR - TEFLON PER ASTM D1710, TYPE 1, GRADE 1, CLASS A
  - SHRINK SLEEVE - HEAT SHRINKABLE ATUM PER MIL-I-23053/4 (NOT SHOWN)
  - GASKET - SILICONE RUBBER PER A-A-59588, 50-75 DUROMETER
  - CRIMP SLEEVE - D.H.P. COPPER CDA, ALLOY #122, TEMPER HARD
  - CONTACT & LOCKING RING - BERYLLIUM COPPER PER ASTM B196, C17300 ALLOY, CONDITION HT
3. FINISH:
  - CONTACT - GOLD PLATE PER ASTM B488
  - CRIMP SLEEVE - SULFAMATE NICKEL PER MIL-P-27418
  - ALL OTHER METAL PARTS - ALBALDY PLATE PER DELTA SPEC. 111197

MATERIAL	UNLESS OTHERWISE SPECIFIED		DFTM N. N. N	TIME MICROWAVE SYSTEMS
	ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH 63 RMS MAX. REMOVE ALL BURRS .004 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± .01      .XXX ± .005 ANGLES ± 1°      FRACTIONS ± 1/64			
USED ON: B			DATE 9/5/13	EZ-240-SM-RA-X CONNECTOR ASSEMBLY 90° SMAM for LMR-240
SCALE: NONE	DWG SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 9/10/13
			SH 1 of 1	REV A SD3190-2899

## Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

### TECHNICAL DATA SHEET

**RG8X**

#### Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

##### Configuration

Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Shield Materials	Copper Braid
Jacket Material and Color	PVC (NC), Black

##### Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, MHz	1000
Capacitance, pF/ft [pF/m]	26 [85.3]
Maximum Operating Voltage, Volts	2,500

##### Electrical Specifications by Frequency

###### Frequency 1

Frequency, MHz	10
Attenuation, dB/100ft [dB/100m]	1 [3.28]
Power Handling, KWatts	1

###### Frequency 2

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	8 [26.25]
Power Handling, Watts	110

###### Frequency 3

Frequency, MHz	700
Attenuation, dB/100ft [dB/100m]	11.1 [36.42]
Power Handling, Watts	75

###### Frequency 4

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13.5 [44.29]
Power Handling, Watts	60

##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-40 to +80
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###### Inner Conductor

Number of Strands	19
Material	Copper
Diameter, in [mm]	0.056 [1.42]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8X Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8X](#)

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.

## Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

### TECHNICAL DATA SHEET

RG8X

**Dielectric:**

Type PE (F)  
Diameter, in [mm] 0.155 [3.94]

**Shield:**

Number of 1  
Material 1 Copper Braid

**Jacket:**

Material PVC (NC)  
Diameter, in [mm] 0.242 [6.15]  
Color Black  
Weight, lbs/ft [Kg/m] 0.041 [0.06]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

**Plotted and Other Data**

Notes: Values at 25 °C, sea level

Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) 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.

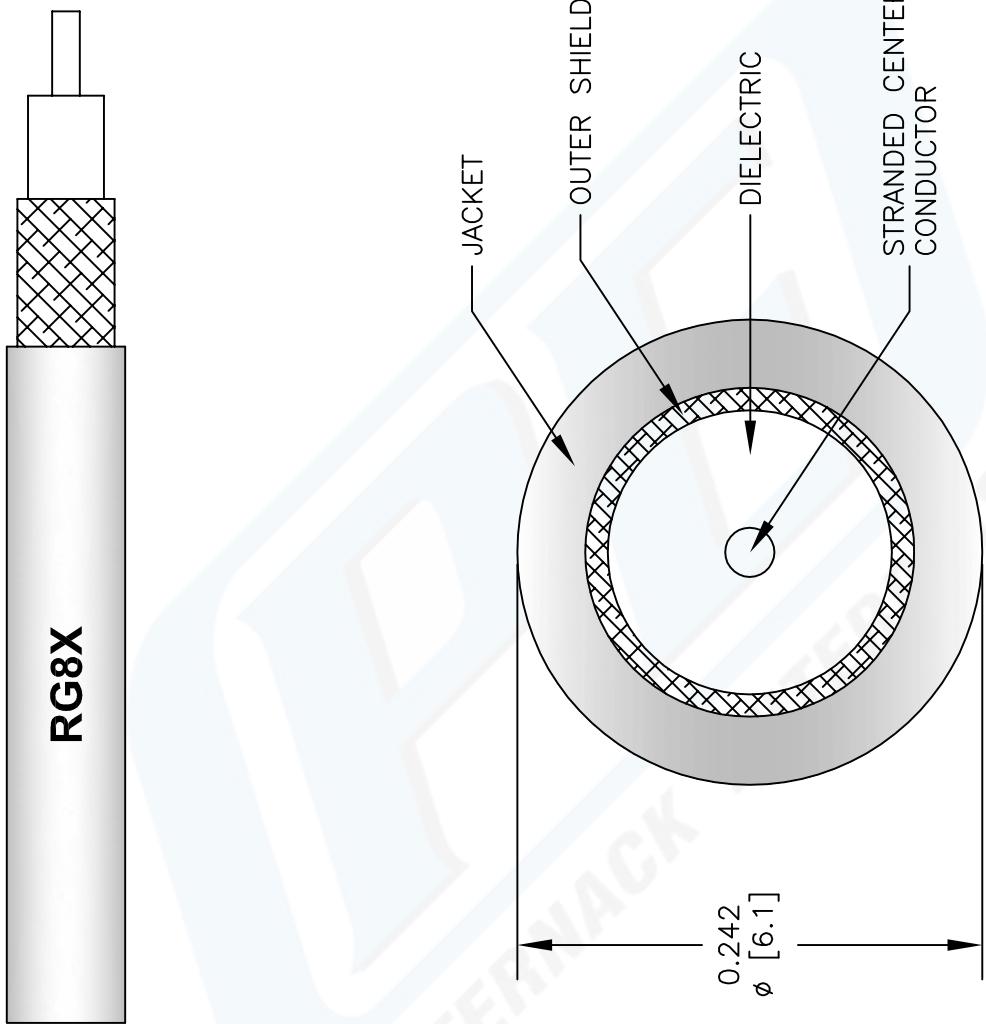
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8X Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8X](http://www.pasternack.com/flexible-0.242-rg8x-50-ohm-coax-cable-pvc-jacket-rg8x-p.aspx)

URL: <http://www.pasternack.com/flexible-0.242-rg8x-50-ohm-coax-cable-pvc-jacket-rg8x-p.aspx>

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# RG8X CAD Drawing

Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket



<b>PE</b> <b>PASTERNAK</b> Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasterнак.com">www.pasterнак.com</a>   E-Mail: <a href="mailto:sales@pasterнак.com">sales@pasterнак.com</a>	<b>DWG TITLE</b> <b>RG8X</b>	<b>REV. A</b>	<b>FSCM NO.</b> <b>53919</b>	<b>CAD FILE</b>	<b>040113-A</b>	<b>SCALE</b>	<b>N/A</b>	<b>SIZE</b>	<b>A</b>	<b>147</b>
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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].