



SMB Plug Right Angle 50 Ohm Coax Connector Crimp Attachment for RG174, RG316, RG188, LMR-100

RF Connectors Technical Data Sheet

MTCN0036

Configuration

- SMB Plug Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG174, RG316, RG188, LMR-100 Interface Type
- Crimp/Solder Attachment

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

MilesTek RF right angle SMB connector will ship the same day as purchased from our broad selection of military, aerospace and industrial radio frequency components. Our right angle SMB connector terminates to a coax interface which includes RG174, RG316, RG188 and LMR-100. This right angle SMB connector for coax has a 50 Ohm impedance and is just one part of our large, in-stock inventory.

Part number MTCN0036 SMB right angle connector from MilesTek is a plug gender (also known as male). This RF connector from MilesTek has a 4 GHz maximum frequency. Our 4 GHz SMB connector maximum frequency applies to RG174, RG316, RG188 and LMR-100 interfaces but may vary between them. Our radio frequency right angle SMB plug (male) crimp/solder connector is in-stock and does ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.3:1	
Operating Voltage (AC)			250	Vrms

Mechanical Specifications

Size

Length	0.622 in [15.8 mm]
Width/Dia.	0.256 in [6.50 mm]
Height	0.528 in [13.41 mm]
Weight	0.013 lbs [5.9 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 30 µin minimum
Insulation	PTFE	
Outer Conductor	Brass	Nickel 100 µin minimum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug Right Angle 50 Ohm Coax Connector Crimp Attachment for RG174, RG316, RG188, LMR-100 MTCN0036](#)



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Body	Brass	Nickel 100 µin minimum
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Environmental Specifications

Temperature

Operating Range

-65 to 165 deg C

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

Plotted and Other Data

Notes:

Our offering, used primarily in military, R&D and production applications, consists of a comprehensive line of MIL-STD-1553B data bus couplers, harnesses and cable assemblies, connectors and connector termination systems. MilesTek also offers expertise in manufacturing custom cable assemblies and harnesses.

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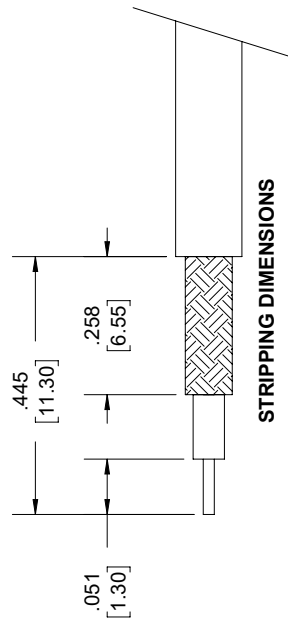
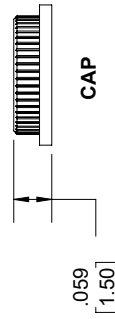
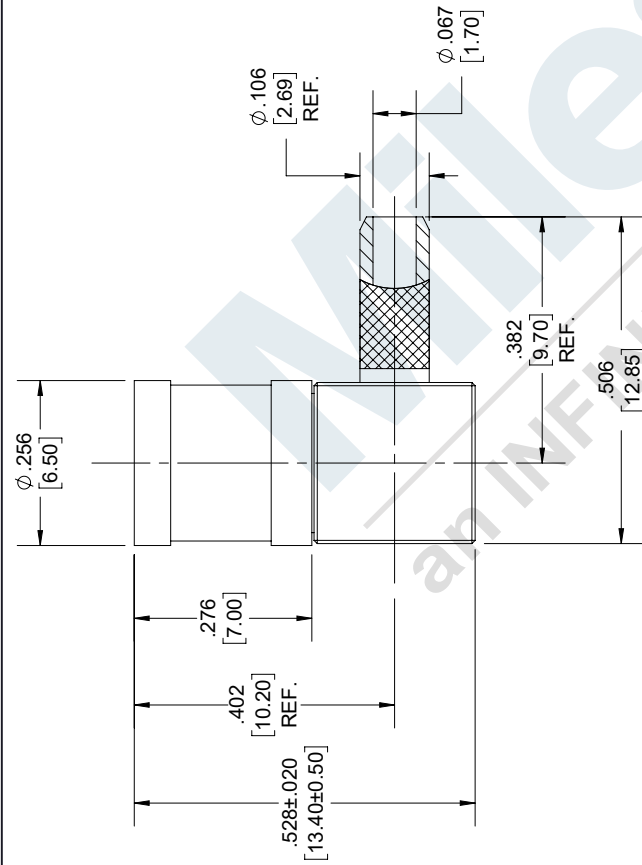
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. MilesTek reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. MilesTek does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and MilesTek does not assume any liability arising out of the use of any part or documentation.

MTCN0036 CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	12/12/18	SELLIS



NOTES:

- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER.
- CRIMP SIZE REQUIRED:
 - FERRULE: .138 [3.50] HEX. CRIMP TOOL.

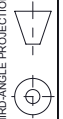
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UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE IN INCHES
DIMENSIONS IN [] ARE IN MILLIMETERS

TOLERANCES:
 .X \pm .2 [5.08] FRACTIONS
 .XX \pm .01 [25] $\pm 1/32$
 .XXX \pm .005 [13] ANGLES $\pm 1^\circ$

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

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PART NUMBER MTCN0036

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SIZE A 4Z977

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