MilesTek
an INFINIT℮ brand

SMB Plug 50 Ohm Coax Connector Crimp Attachment for RG316-DS, RG188-DS

RF Connectors Technical Data Sheet   **MTCN0032**

Configuration

- SMB Plug Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG316-DS, RG188-DS Interface Type
- Crimp/Solder Attachment

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

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

Part number MTCN0032 SMB 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 RG316-DS and RG188-DS interfaces but may vary between them. Our radio frequency 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
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3					GHz
VSWR, Max	1.37:1					

Mechanical Specifications

Size

Length	0.91 in [23.11 mm]
Width/Dia.	0.256 in [6.50 mm]
Weight	0.008 lbs [3.63 g]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 30µ in. 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 50 Ohm Coax Connector Crimp Attachment for RG316-DS, RG188-DS MTCN0032

Phone: 866-524-1553 • salesinfo@MilesTek.com

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Insulation	Teflon	
Body	Brass	Nickel 100μ in. minimum

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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URL:

MTCN0032 CAD Drawing
SMB Plug 50 Ohm Coax Connector Crimp Attachment for RG316-DS, RG188-DS

CONTACT

Ø .024 [0.61]

.260 [6.60]

FERRULE

Ø .180 [4.57]

.500±.012 [12.70±0.30]

.140 [3.56]

SMB PLUG

Ø .107 [2.71] REF.

Ø .067 [1.70]

.673±.012 [17.10±0.30]

Ø .256 [6.50]

STRIPPING DIMENSIONS

.250 [6.35]

.450 [11.43]

.100 [2.54]

NOTES:
1. CABLE ATTACHMENT:
   - OUTER: CRIMP.
   - INNER: SOLDER.
2. CRIMP SIZE REQUIRED:
   - FERRULE: .151 [3.84] HEX. CRIMP TOOL

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SIZE	CAGE	DRAWN BY	PART NUMBER	
A	4Z977	KDANG	MTCN0032	REV A

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SHEET 1 OF 1

SCALE N/A

REV A

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

TOLERANCES:
X±± .2 [5.08]   FRACTIONS
XX±± .01 [.25]   ± 1/32
XXX±± .005 [.13]   ANGLES ± 1°

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

T-RevA