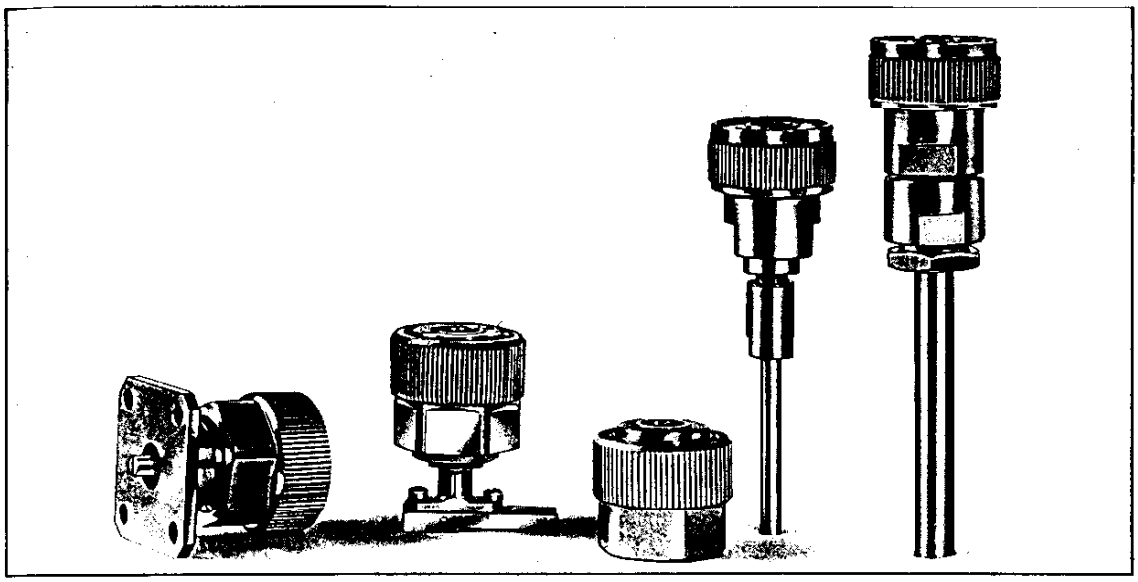
7mm Precision Coaxial Connectors



The 7 mm Precision Hermaphrodite Coaxial Connectors are made available for laboratory instrumentation use. The construction is resonance free through 18.0 GHz.

An economical sexed version is also made available using threaded outer plug and jack configuration. This version will mate directly to the hermaphroditic types without degradation of performance. These are available to attach to .141, .250 and .325 inch diameter semi-rigid cables, and to RG-214/U and RG-142B/U flexible cables.

DESIGN AND CONSTRUCTION

The outer shell and coupling mechanisms are made of polished stainless steel. The inner contact is made of gold plated beryllium copper. A special resonance free to 18.0 GHz supporting bead is used to capture the center contact.

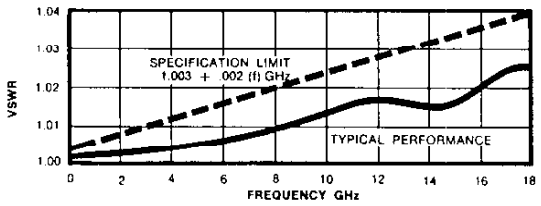
ASSEMBLY TOOL

Optional assembly tool, part number 7098-5001, may be ordered separately for assembly convenience.

ELECTRICAL PERFORMANCE

IMPEDANCE: 50 Ohms
FREQUENCY RANGE: 0-18 GHz
VSWR: 1.003 + .002 (f)GHz (see curve)

TEMPERATURE RANGE: -55°C to +85°C

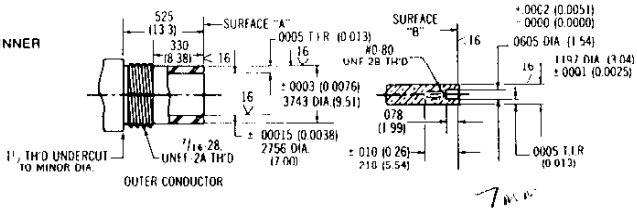


PREPARATION TO MATING SECTION:

STRICT ADHERENCE TO THE DIMENSIONS SHOWN FOR OUTER AND INNER CONDUCTORS IS A REQUIREMENT FOR PRECISION PERFORMANCE.

NOTES:

1. Surface "A" to be perpendicular to .2756 and .3743 diameters within .0005 T.I.R.
2. Surface "B" to be perpendicular to .1197 and .0605 diameters within .0005 T.I.R.
3. Surface "B" to be flush to .0005 below face of outer conductor surface "A"

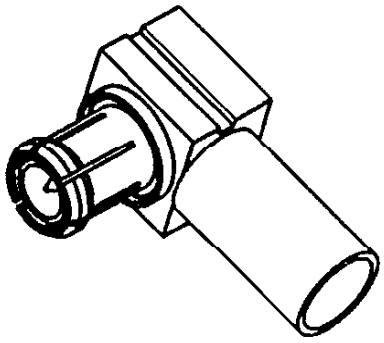


North America: Tel. (800) 366-2266 ■ Asia/Pacific: Tel. +81 (03) 3226-1671 ■ Europe: Tel. +44 (1344) 869 595
Fax (800) 618-8883 Fax +81 (03) 3226-1451 Fax +44 (1344) 300 020

MCX Series

50 Ohms

Sub Miniature
Snap-On Coupling



Features

- 30 percent smaller than SMB Connectors
- For applications to 6 GHz
- Resistance to RF leakage
- For areas that are inaccessable to the normal mating action.
- Made to CECC 22220
- Brass bodies with beryllium copper female contacts with gold plating

Options

- Small Sized Cables - 0.047 SR, 0.086 SR, RG316, RG188, RG187, RG174, RG179, RG196, RD316.
- Straight, Right-Angle, Long Crimp, Short Crimp, Printed Circuit Board, Solder and Compliant Pin types available
- Adapters available
- Nickel or Gold Finish available

Specifications

- QQ-B-626
- CECC 22220
- QQ-C-530
- MIL-G-45204
- ZZ-R-765

Mating Data

- RG-/U Cables (See page 30-9)

Technical Data

Materials

- Body Parts ..... Brass, QQ-B-626 1/2 HD.
- Contacts
  - Male ..... Brass
  - Female ..... Beryllium copper QQ-C-530
- Insulators ..... PTFE Fluorocarbon

Plating

All parts plated to meet finish and corrosion requirements of MIL-C-39012

- Finish
  - Gold MIL-G-45204
  - Nickel IP23

Electrical Performance

- Impedance ..... 50Ω nominal
- Frequency ..... D.C. to 6 GHz
- Insulation Resistance ..... 5,000 MΩ Minimum
- Voltage Rating ..... 335 VRMS
- Dielectric Withstanding ..... 1000 VRMS at sea level
- Voltage Standing Wave ratio (VSWR) ..... 1.3 max to 4 GHz
- Insertion Loss ..... 0.1 times square root fGHz(in dB)
- Contact Resistance ..... 5.0 mΩ Maximum

Mechanical Performance

- Connector Durability ..... 500 cycles Minimum
- Force to Engage and Disengage
  - Engagement ..... 14 lbs Maximum
  - Separation ..... 1.75 lbs Minimum 4.5 lbs Maximum

Environmental Qualification

- Temperature range ..... -55°C to +155°C
- Vibration ..... 10 to 500 Hz at 10 G's
- Temperature Cycling ..... -65°C to +125°C
- High Temperature Test ..... +125°C for 96 hours

Packaging

- Single Bags
- Custom packaging available upon request.

Customer Support Materials

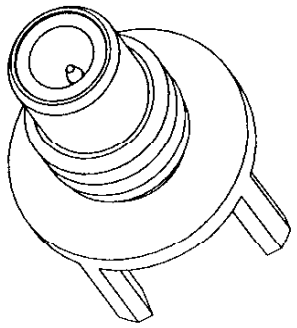
Description	Order No.	Description	Order No.
Customer Product Drawings	By Part Number	Product Samples	Upon Request
Product Substitutions	Contact Technical Support	Test Data	Upon Request

MCX
11-18-01

SMC Series

50 Ohms

Threaded Coupling



Features

- Sub Miniature
- For applications to 10 GHz
- Improved Vibration Characteristics
- Made to MIL-C-39012

Options

- Small and Medium Sized Cables RG 174, 188, 316, RG 178, 196
- Straight, Right-Angle, Long Crimp, Short Crimp, Flange Mount, Single Hole Mount, Printed Circuit Board, Cap and Chain, Termination, Cross and Tee types available
- Adapters available

Specifications

- MIL-C-39012
- MIL-STD-348
- MIL-STD-202
- QQ-C-530
- MIL-G-45204
- QQ-S-365
- ZZ-R-765
- QQ-B-626

Mating Data

- RG-/U Cables (See page 30-9)

Technical Data

Materials

- Body Parts ..... Brass, QQ-B-626 1/2 HD.
- Contacts
  - Male ..... Brass
  - Female ..... Beryllium copper QQ-C-530
- Insulators ..... PTFE Fluorocarbon
- Gaskets ..... Silicone Rubber ZZ-R-765

Plating

All parts plated to meet finish and corrosion requirements of MIL-C-39012

- Finish
  - Gold MIL-G-45204
  - Nickel IP23
  - Silver QQ-S-365

Electrical Performance

- Impedance ..... 50Ω nominal
- Frequency ..... D.C. to 10 GHz
- Insulation Resistance ..... 1,000 MΩ Minimum
- Voltage Rating ..... 335 VRMS
- Dielectric Withstanding ..... 750 VRMS at sea level
- R.F. Leakage ..... -(55-F GHz) dB maximum
- R.F. High Potential Withstanding Voltage ..... 700 VRMS at 5 MHz
- Voltage Standing Wave ratio (VSWR) ..... 1.20 + 0.04(f)GHz with RG 316
- Insertion Loss ..... 0.25 dB max at 4 GHz
- Contact Resistance
  - Outer contact ..... 1.0 mΩ maximum
  - Center contact ..... 6.0 mΩ maximum

Mechanical Performance

- Force to Engage and Disengage ... 16 inch-oz. Maximum
- Coupling Nut Retention Force ..... 35 lbs minimum
- Coupling Proof Torque ..... 100 inch-oz. Minimum
- Connector Durability ..... 500 cycles minimum

Operating Environment

- Temperature range ..... -65°C to +165°C
- Vibration ..... MIL-STD-202, method 204, cond D
- Shock ..... MIL-STD-202, method 213, cond. I
- Thermal shock ..... MIL-STD-202, method 107, cond. B
- Corrosion (salt spray) . MIL-STD-202, method 101, cond. B
- Moisture Resistance ..... MIL-STD-202, method 106

Packaging

- Single Bags
- Custom packaging available upon request.

Customer Support Materials

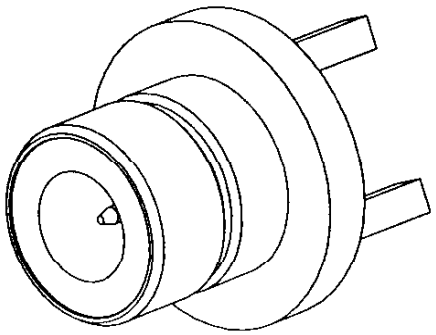
Description	Order No.
Customer Product Drawings	By Part Number
Product Substitutions	Contact Technical Support
Product Samples	Upon Request
Test Data	Upon Request

SMC
1
11-17-01

SMB Series

75 Ohms

Snap-On Coupling



Features

- Small
- For applications to 4 GHz
- Resistance to RF leakage
- Made to MIL-C-39012

Options

- Small and Medium Sized Cables RG 180, 195, RG 179, 187, RG 59, 62.
- Straight, Right-Angle, Long Crimp, Short Crimp, Flange Mount, Single Hole Mount, Printed Circuit Board, Cap and Chain, Termination, Cross and Tee types available
- Adapters available

Specifications

- MIL-C-39012
- MIL-STD-348
- MIL-STD-202
- QQ-C-530
- MIL-G-45204
- QQ-S-365
- ZZ-R-765
- QQ-B-626

Mating Data

- RG-/U Cables (See page 30-9)

Technical Data

Materials

- Body Parts ..... Brass, QQ-B-626 1/2 HD.
- Contacts
  - Male ..... Brass
  - Female ..... Beryllium copper QQ-C-530
- Insulators ..... PTFE Fluorocarbon
- Gaskets ..... Silicone Rubber ZZ-R-765

Plating

All parts plated to meet finish and corrosion requirements of MIL-C-39012

- Finish
  - Gold MIL-G-45204
  - Nickel IP23
  - Silver QQ-S-365

Electrical Performance

- Impedance ..... 50Ω nominal
- Frequency ..... D.C. to 4 GHz
- Insulation Resistance ..... 1,000 MΩ Minimum
- Voltage Rating ..... 335 VRMS
- Dielectric Withstanding ..... 1,000 VRMS at sea level
- R.F. Leakage ..... -55 dB minimum at 2 to 3 GHz
- R.F. High Potential Withstanding Voltage ..... 500 VRMS at 5 MHz
- Voltage Standing Wave ratio (VSWR) ..... 1.30 + 0.04f(GHz)
- Insertion Loss ..... 0.3 dB max at 1.5 GHz
- Contact Resistance
  - Outer contact ..... 1.0 mΩ maximum
  - Center contact ..... 6.0 mΩ maximum

Mechanical Performance

- Force to Engage ..... 14 inch-lbs Maximum
- Force to Disengage ..... 2 in-lbs Minimum
- Connector Durability ..... 500 cycles minimum

Operating Environment

- Temperature range ..... -65°C to +165°C
- Vibration ..... MIL-STD-202, method 204, cond D
- Shock ..... MIL-STD-202, method 213, cond. I
- Thermal shock ..... MIL-STD-202, method 107, cond. B
- Corrosion (salt spray) MIL-STD-202, method 101, cond. B

Packaging

- Single Bags
- Custom packaging upon request

Customer Support Materials

Description	Order No.
Customer Product Drawings	By Part Number
Product Substitutions	Contact Technical Support

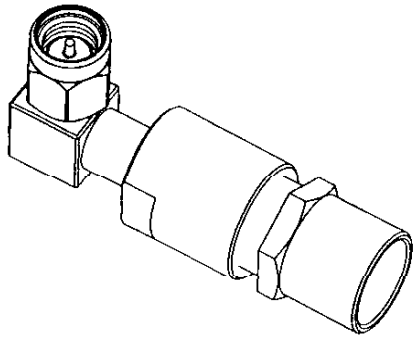
Description	Order No.
Product Samples	Upon Request
Test Data	Upon Request

SMB
1
11-18-01

SMA Series

50 Ohms

Threaded Coupling



Features

- Sub Miniature
- For applications to 18 GHz
- Resistance to RF leakage
- Made to MIL-C-39012

Options

- Small and Medium Sized Cables; 0.141 and 0.085 diameter semi-rigid cable as well as RG174, 188, 316 and RD316
- Straight, Right-Angle, Long Crimp, Short Crimp, Flange Mount, Single Hole Mount, Printed Circuit Board, Cap and Chain, Termination, Cross and Tee types available
- Adapters available

Specifications

- MIL-C-39012
- MIL-STD-348
- MIL-STD-202
- QQ-C-530
- MIL-G-45204
- QQ-S 365
- ZZ-R-765

Mating Data

- RG-/U Cables (See page 30-9)

Technical Data

Materials

- Body Parts ..... Non-Magnetic Stainless Steel, ASTM, Class 303 Brass
- Contacts
  - All ..... Beryllium copper QQ-C-530 Brass
- Insulators ..... PTFE Fluorocarbon
- Gaskets ..... Silicone Rubber ZZ-R-765

Plating

All parts plated to meet finish and corrosion requirements of MIL-C-39012

- Finish
  - Gold MIL-G-45204
  - Nickel IP23
  - Tri-Alloy P20

Electrical Performance

- Impedance ..... 50Ω nominal
- Frequency ..... D.C. to 18 GHz
- Insulation Resistance ..... 5,000 MΩ Minimum
- Voltage Rating ..... 500 VRMS
- Dielectric Withstanding ..... 1,000 VRMS at sea level
- R.F. Leakage ..... -(60+f GHz) dB maximum
- R.F. High Potential Withstanding Voltage ..... 670 VRMS at 5 MHz
- Voltage Standing Wave ratio (VSWR) ..... 1.15 + 0.01f(GHz) Maximum
- Insertion Loss .... 0.06 times sq.root f GHz dB Maximum
- Contact Resistance
  - Outer contact ..... 3.0 mΩ maximum
  - Center contact ..... 2.0 mΩ maximum

Mechanical Performance

- Force to Engage and Disengage
  - Torque ..... 2 inch-lbs Maximum
- Coupling Nut Retention Force ..... 60 lbs minimum
- Coupling Proof Torque ..... 15 inch-lbs Minimum
- Connector Durability ..... 500 cycles minimum

Operating Environment

- Temperature range ..... -65°C to +165°C
- Vibration ..... MIL-STD-202, method 204, cond D
- Shock ..... MIL-STD-202, method 213, cond. I
- Thermal shock ..... MIL-STD-202, method 107, cond. B
- Corrosion (salt spray) . MIL-STD-202, method 101, cond. B
- Moisture Resistance ..... MIL-STD-202, method 106

Packaging

- Single Bags
- Custom packaging available upon request.

Customer Support Materials

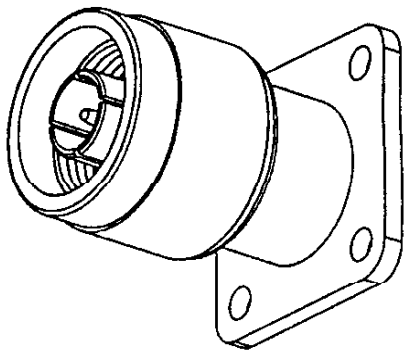
Description	Order No.	Description	Order No.
Customer Product Drawings	By Part Number	Product Samples	Upon Request
Product Substitutions	Contact Technical Support	Test Data	Upon Request

SMA

N Series

75 Ohms

Screw Thread Coupling



Features

- Small
- Weatherproof
- For applications below 2 GHz

Options

- Small and Medium Sized Cables
- Straight, Right-Angle, Long Crimp, Short Crimp, Flange Mount, Single Hole Mount, Printed Circuit Board, Cap and Chain, Termination and Tee types available
- Adapters available

Specifications

- QQ-B-626
- MIL-STD-348
- MIL-STD-202
- MIL-G-45204
- QQ-S-365
- ZZ-R-765

Mating Data

- RG-/U Cables (See page 30-9)

Technical Data

Materials

- Body Parts ..... Brass, QQ-B-626, 1/2 HD.
- Contacts
  - Male ..... Brass QQ-B-626, 1/2 HD.
  - Female ..... Beryllium copper QQ-C-530 Heat treated to condition HT
- Insulators ..... PTFE Fluorocarbon
- Gaskets ..... Rubber ZZ-R-765

Plating

All parts plated to meet finish and corrosion requirements of MIL-C-39012

- Finish
  - Gold MIL-G-45204
  - Nickel tP23
  - Silver QQ-S-365
  - Tri-Alloy P20

Electrical Performance

- Impedance ..... 75Ω nominal
- Frequency Range ..... 0 to 2 GHz
- Insulation Resistance ..... 5,000 MΩ Minimum
- Voltage Rating ..... 1000 VRMS working Voltage
- Dielectric Withstanding ..... 1,500 VRMS at sea level
- Contact Resistance
  - Outer contact ..... 0.2 mΩ Maximum
  - Center contact ..... 1.0 mΩ Maximum

Mechanical Performance

- Force to Engage and Disengage
  - Torque ..... 3 inch-lbs Maximum
- Coupling Nut Retention Force ..... 100 lbs Minimum
- Connector Durability ..... 500 cycles Minimum

Operating Environment

- Temperature range ..... -65°C to +165°C
- Corrosion (salt spray) . MIL-STD-202, method 101, cond. B
- Moisture Resistance ..... MIL-STD-202, method 106

Packaging

- Single Bags
- Custom packaging available upon request.

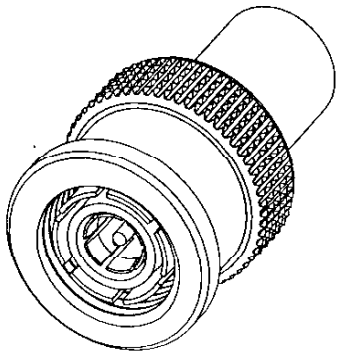
Customer Support Materials

Description	Order No.	Description	Order No.
Customer Product Drawings	By Part Number	Product Samples	Upon Request
Product Substitutions	Contact Technical Support	Test Data	Upon Request

TNC Series

TRIAX

Threaded



Features

- Miniature
- Weatherproof
- Reduce noise levels
- Isolated ground
- Non-constant impedance

Options

- Small and Medium Sized Cables
- Two and Three lug versions available
- Straight, Right-Angle, Long Crimp, Short Crimp, Flange Mount, Single Hole Mount, Printed Circuit Board, Cap and Chain, Termination and Tee types available
- Adapters available

Specifications

- QQ-B-626
- MIL-STD-348
- MIL-STD-202
- QQ-C-530
- MIL-G-45204
- QQ-S-365
- ZZ-R-765

Mating Data

- RG-/U Cables (See page 30-9)

Technical Data

Materials

- Body Parts ..... Brass, QQ-B-626, 1/2 HD.
- Contacts
  - Male ..... Brass QQ-B-626, 1/2 HD.
  - Female ..... Beryllium copper QQ-C-530 Heat treated to condition HT
- Insulators ..... PTFE Fluorocarbon
- Gaskets ..... Rubber ZZ-R-765

Plating

All parts plated to meet finish and corrosion requirements of MIL-C-39012

- Finish
  - Gold MIL-G-45204
  - Nickel IP23
  - Silver QQ-S-365
  - Tri-Alloy P20

Electrical Performance

- Impedance ..... Non-constant
- Insulation Resistance ..... 5,000 MΩ Minimum
- Voltage Rating ..... 400 VRMS working Voltage
- Contact Resistance
  - Outer contact ..... 0.5 mΩ Maximum
  - Center contact ..... 5.0 mΩ Maximum
  - Intermediate contact ..... 0.5 mΩ Maximum

Mechanical Performance

- Force to Engage and Disengage
  - Torque ..... 2 inch-lbs Maximum
- Coupling Nut Retention Force ..... 100 lbs Minimum
- Connector Durability ..... 500 cycles Minimum

Operating Environment

- Temperature range ..... -65°C to +165°C
- Corrosion (salt spray) . MIL-STD-202, method 101, cond. B
- Moisture Resistance ..... MIL-STD-202, method 106

Packaging

- Single Bags
- Custom packaging available upon request

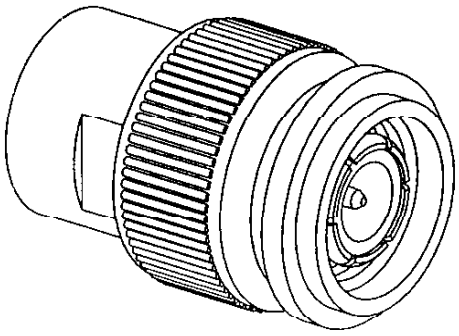
Customer Support Materials

Description	Order No.
Customer Product Drawings	By Part Number
Product Substitutions	Contact Technical Support
Product Samples	Upon Request
Test Data	Upon Request

TNC Series

50 Ohms

Threaded Coupling



Features

- Miniature
- Weatherproof
- For applications to 11 GHz
- Improved Vibration Characteristics
- Resistance to RF leakage
- Plugs incorporate safety wiring holes in the coupling sleeve so that they may be wired in place in severe vibration conditions.
- Made to MIL-C-39012

Options

- Small and Medium Sized Cables
- Straight, Right-Angle, Long Crimp, Short Crimp, Flange Mount, Single Hole Mount, Printed Circuit Board, Cap and Chain, Termination, Cross and Tee types available
- Adapters available

Mating Data

- RG-/U Cables (See page 30-9)

Specifications

- MIL-C-39012
- MIL-STD-348
- MIL-STD-202
- QQ-C-530
- MIL-G-45204
- QQ-S-365
- ZZ-R-765
- QQ-B-626

Technical Data

Materials

- Body Parts ..... Brass, QQ-B-626, 1/2 HD.
- Contacts
  - Male ..... Brass QQ-B-626, 1/2 HD.
  - Female ..... Beryllium copper QQ-C-530
- Insulators ..... PTFE Fluorocarbon
- Gaskets ..... Silicone Rubber ZZ-R-765

Plating

All parts plated to meet finish and corrosion requirements of MIL-C-39012

- Finish
  - Gold MIL-G-45204
  - Nickel IP23
  - Silver ..... QQ S 365
  - Tri-Alloy P20

Electrical Performance

- Impedance ..... 50Ω nominal
- Frequency ..... D.C. to 18 GHz
- Insulation Resistance ..... 5,000 MΩ Minimum
- Voltage Rating ..... 500 VRMS
- Dielectric Withstanding ..... 1,500 VRMS at sea level
- R.F. Leakage ..... -60 dB Minimum at 2 to 3 GHz
- R.F. High Potential Withstanding Voltage ..... 1,000 VRMS at 5 to 7 MHz
- Voltage Standing Wave ratio (VSWR) ..... 1.30 Maximum at 500 to 11,000 MHz
- Insertion Loss ..... -18 dB at 9 GHz
- Contact Resistance
  - Outer contact ..... 0.2 mΩ maximum
  - Center contact ..... 1.5 mΩ maximum

Mechanical Performance

- Force to Engage and Disengage
  - Torque ..... 2 1/2 inch-lbs Maximum
- Coupling Nut Retention Force ..... 100 lbs minimum
- Coupling Proof Torque ..... 30 inch-lbs Minimum
- Connector Durability ..... 500 cycles minimum

Operating Environment

- Temperature range ..... -65°C to +165°C
- Vibration .... MIL-STD-202, method 204, cond D. (20 G's)
- Shock ..... MIL-STD-202, method 213, cond. I (100 G's)
- Thermal shock ..... MIL-STD-202, method 107, cond. B -65°C to +115°C
- Corrosion (salt spray) . MIL-STD-202, method 101, cond. B
- Moisture Resistance ..... MIL-STD-202, method 106

Packaging

- Single Bag
- Custom packaging available upon request

Customer Support Materials

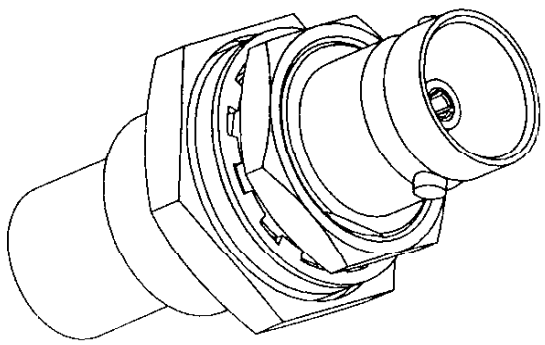
Description	Order No.
Customer Product Drawings	By Part Number
Product Substitutions	Contact Technical Support
Product Samples	Upon Request
Test Data	Upon Request

TNC SD
11-18-01

BNC Series

75 Ohms

Bayonet Locking



Features

- Miniature
- Weatherproof
- For applications below 2 GHz

Options

- Small and Medium Sized Cables
- Straight, Right-Angle, Long Crimp, Short Crimp, Flange Mount, Single Hole Mount, Printed Circuit Board, Cap and Chain, Termination and Tee types available
- Adapters available

Specifications

- QQ-B-626
- MIL-STD-348
- MIL-STD-202
- MIL-G-45204
- QQ-S-365
- ZZ-R-765

Mating Data

- RG-/U Cables (See page 30-9)

Technical Data

Materials

- Body Parts ..... Brass, QQ-B-626, 1/2 HD.
- Contacts
  - Male ..... Brass QQ-B-626, 1/2 HD.
  - Female ..... Beryllium copper QQ-C-530 Heat treated to condition HT
- Insulators ..... PTFE Fluorocarbon
- Gaskets ..... Rubber ZZ-R-765

Plating

All parts plated to meet finish and corrosion requirements of MIL-C-39012

- Finish
  - Gold MIL-G-45204
  - Nickel IP23
  - Silver QQ-S-365
  - Tri-Alloy P20

Electrical Performance

- Impedance ..... 75Ω nominal
- Frequency Range ..... 0 to 2 GHz
- Insulation Resistance ..... 5,000 MΩ Minimum
- Voltage Rating ..... 500 VRMS working Voltage
- Dielectric Withstanding ..... 1,500 VRMS at sea level
- Voltage Standing Wave ratio (VSWR) .. 1.17 Max to 2 GHz
- Contact Resistance
  - Outer contact ..... 0.2 mΩ maximum
  - Center contact ..... 1.5 mΩ maximum

Mechanical Performance

- Force to Engage and Disengage
  - Longitudinal force ..... 3 lbs Maximum
  - Torque ..... 2 1/2 inch-lbs Maximum
- Coupling Nut Retention Force ..... 100 lbs minimum
- Connector Durability ..... 500 cycles minimum

Operating Environment

- Temperature range ..... -65°C to +165°C
- Corrosion (salt spray) . MIL-STD-202, method 101, cond. B
- Moisture Resistance ..... MIL-STD-202, method 106

Packaging

- Single Bag
- Custom packaging available upon request

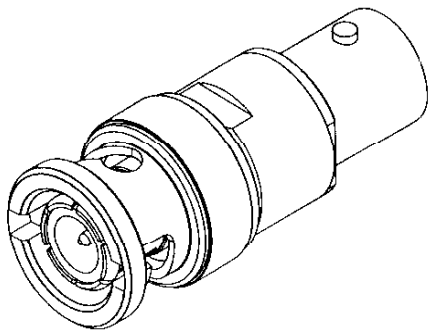
Customer Support Materials

Description	Order No.
Customer Product Drawings	By Part Number
Product Substitutions	Contact Technical Support
Product Samples	Upon Request
Test Data	Upon Request

BNC Series

50 Ohms

Bayonet Locking



Features

- Miniature
- Weatherproof
- For applications below 4 GHz
- Made to MIL-C-39012

Options

- Small and Medium Sized Cables
- Straight, Right-Angle, Long Crimp, Short Crimp, Flange Mount, Single Hole Mount, Printed Circuit Board, Cap and Chain, Termination, Cross and Tee types available
- Adapters available

Specifications

- MIL-C-39012
- MIL-STD-348
- MIL-STD-202
- QQ-C-530
- MIL-G-45204
- QQ-S-365
- ZZ-R-765
- QQ-B-626

Mating Data

- RG-/U Cables (See page 30-9)

Technical Data

Materials

- Body Parts ..... Brass, QQ-B-626, 1/2 HD.
- Contacts
  - Male ..... Brass QQ-B-626, 1/2HD.
  - Female ..... Beryllium copper QQ-C-530
- Insulators ..... PTFE Fluorocarbon
- Gaskets ..... Silicon Rubber ZZ-R-765

Plating

All parts plated to meet finish and corrosion requirements of MIL-C-39012

- Finish
  - Gold MIL-G-45204
  - Nickel IP23
  - Silver QQ-S-365
  - Tri-Alloy P20

Electrical Performance

- Impedance ..... 50Ω nominal
- Frequency ..... D.C. to 4 GHz
- Insulation Resistance ..... 5,000 MΩ Minimum
- Voltage Rating ..... 500 VRMS working Voltage
- Dielectric Withstanding ..... 1,500 VRMS at sea level
- R.F. Leakage ..... -55dB Minimum at 2 to 3 GHz
- R.F. High Potential Withstanding Voltage ..... 1,000 VRMS at 5 to 7.5 MHz
- Voltage Standing Wave ratio (VSWR) .. 1.30 Max. to 4 GHz
- Insertion Loss ..... 0.2 dB Maximum at 3 GHz
- Contact Resistance
  - Outer contact ..... 0.2 mΩ Maximum
  - Center contact ..... 1.5 mΩ Maximum

Mechanical Performance

- Force to Engage and Disengage
  - Longitudinal force ..... 3 lbs Maximum
  - Torque ..... 2 1/2 inch-lbs Maximum
- Coupling Nut Retention Force ..... 100 lbs Minimum
- Connector Durability ..... 500 cycles Minimum

Operating Environment

- Temperature range ..... -65°C to +165°C
- Vibration ..... MIL-STD-202, method 204, cond D.
- Shock ..... MIL-STD-202, method 213, cond. G
- Thermal shock ..... MIL-STD-202, method 107, cond. B 65°C to +115°C
- Corrosion (salt spray) . MIL-STD-202, method 101, cond. B
- Moisture Resistance ..... MIL-STD-202, method 106

Packaging

- Single Bag
- Custom packaging available upon request.

Customer Support Materials

Description	Order No.	Description	Order No.
Customer Product Drawings	By Part Number	Product Samples	Upon Request
Product Substitutions	Contact Technical Support	Test Data	Upon Request