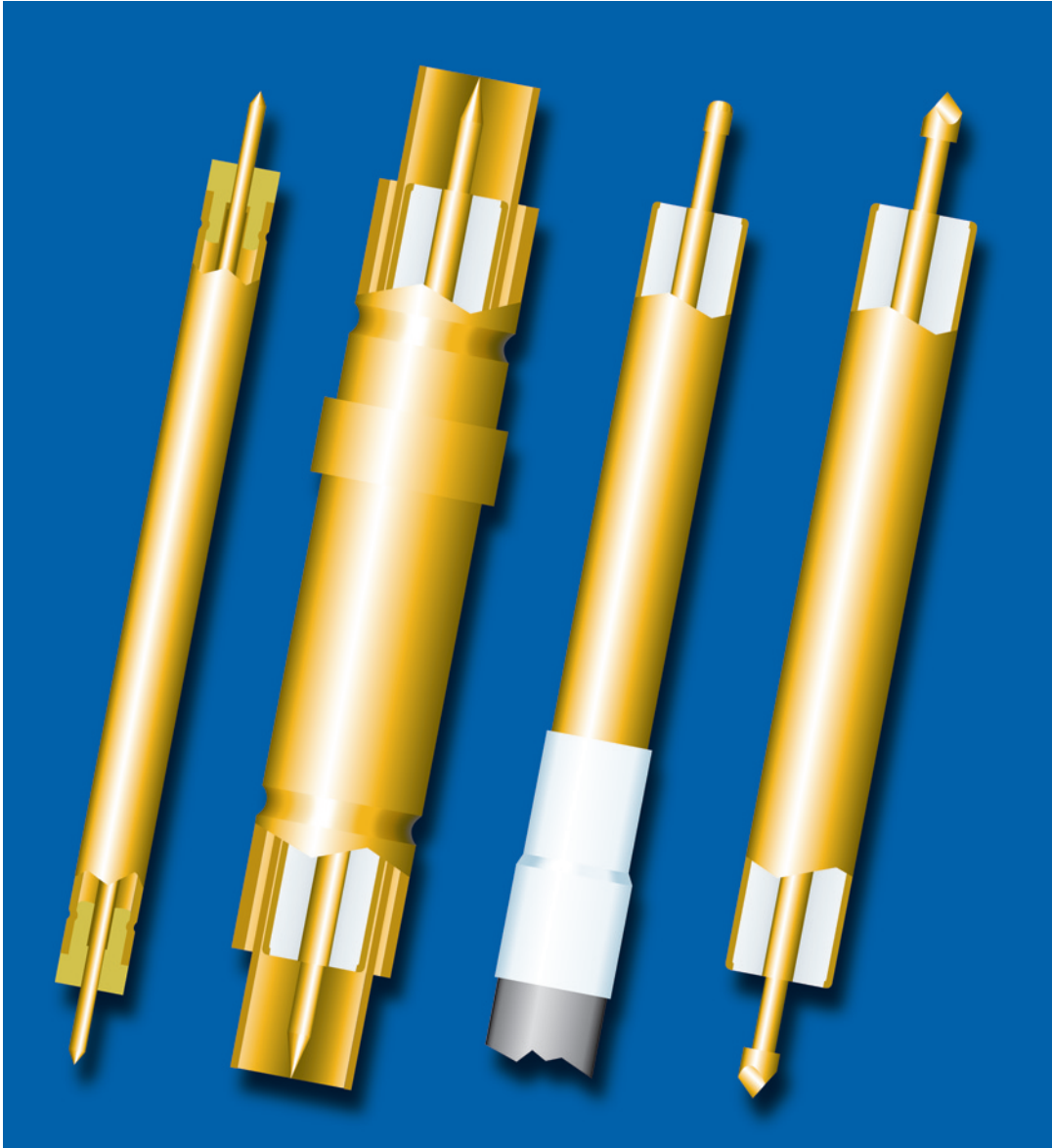


Coaxial Probes



Coaxial Probe

50 Ohms Impedance

Double Ended with Shielding Plungers

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .200 (5,08)

Current Rating: 3 amps continuous

Recommended Working Travel: .070 (1,78), each end

Spring Force:

Signal Conductor: 1.6 oz. @ .070 travel, each end

Shielding Plunger: 4.3 oz. @ .070 travel, each end

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Beryllium copper, gold plated

Spring: Stainless steel, gold plated

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 00 probe (100187).
Additional tip styles available –
consult factory

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

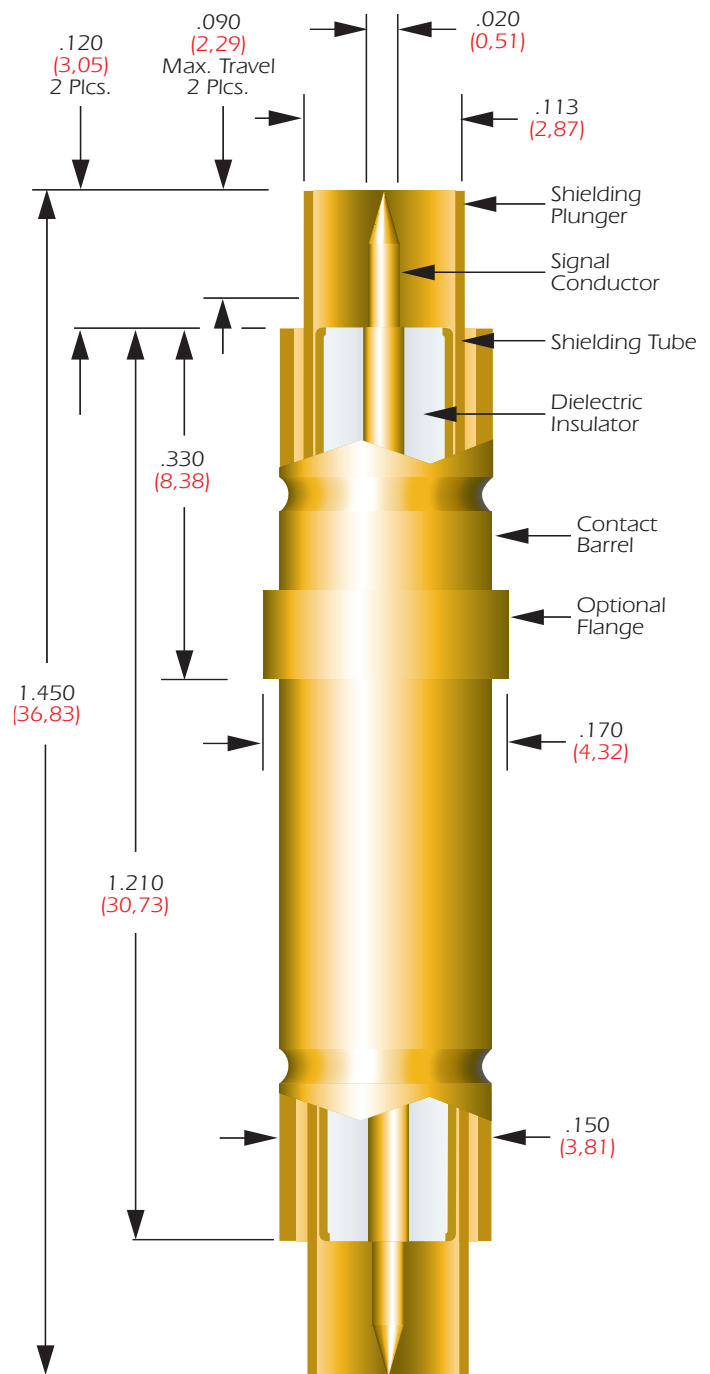
Rise Time (10% to 90%): 85.8 pS

Isolation: Consult factory

Insertion Loss: -.38 dB at 5 GHz

VSWR: 1.10:1 at 3.5 GHz

Velocity of Propagation: Consult factory



Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options

BASE PART NUMBER

100290

See option sheet for
additional information or
consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended with Shielding Plunger

Direct Connect Coax

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .200 (5,08)

Current Rating: 3 amps continuous

Recommended Working Travel: .070 (1,78)

Spring Force:

Signal Conductor: 1.6 oz. @ .070 travel

Shielding Plunger: 4.3 oz. @ .070 travel

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Beryllium copper, gold plated

Spring: Stainless steel, gold plated

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 00 probe (100187).
Additional tip styles available –
consult factory

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): 83.7 pS

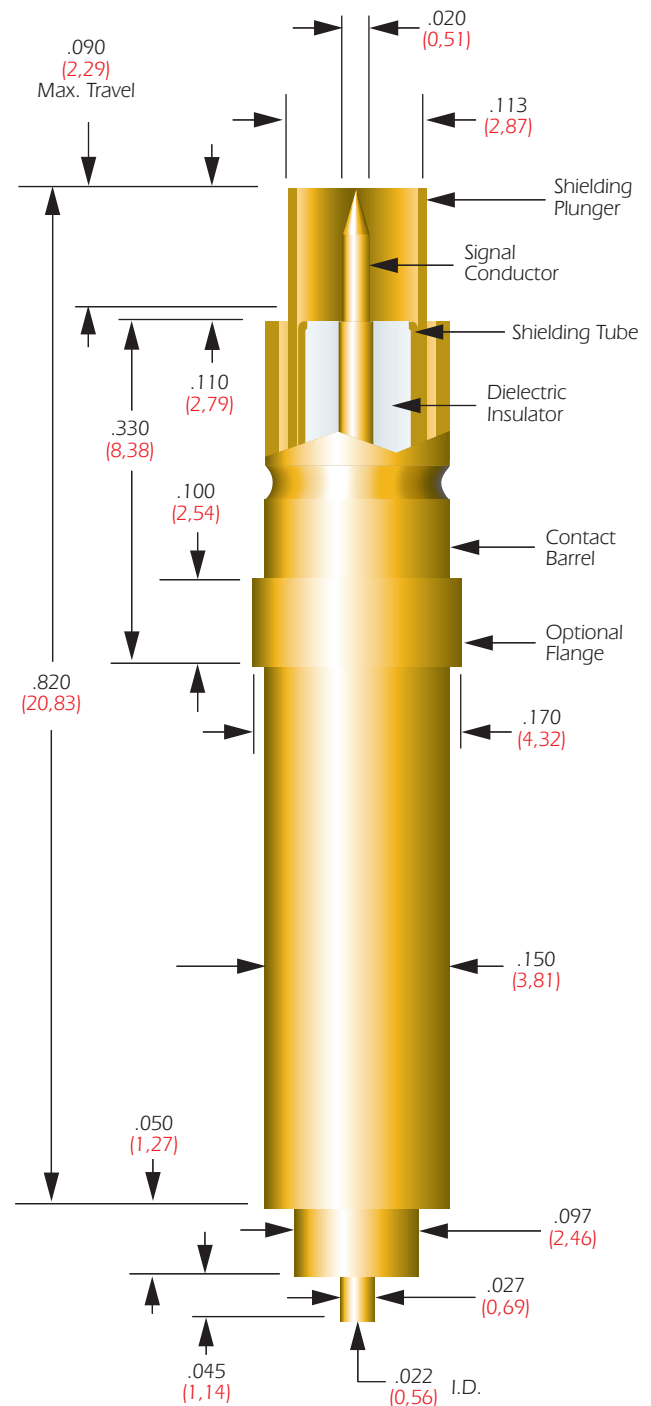
Isolation: -25 dB at 2 GHz

Insertion Loss: -.25 dB at 5 GHz

VSWR: 1.17:1 at 5 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100304

See option sheet for
additional information or
consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended without Shielding Plunger

Direct Connect Coax

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .150 (3,81)

Current Rating: 3 amps continuous

Recommended Working Travel: .050 (1,27)

Spring Force:

Signal Conductor: 1.3 oz. @ .050 travel

MATERIALS:

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 00 probe (100187).
Additional tip styles available –
consult factory

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): 80.8 pS

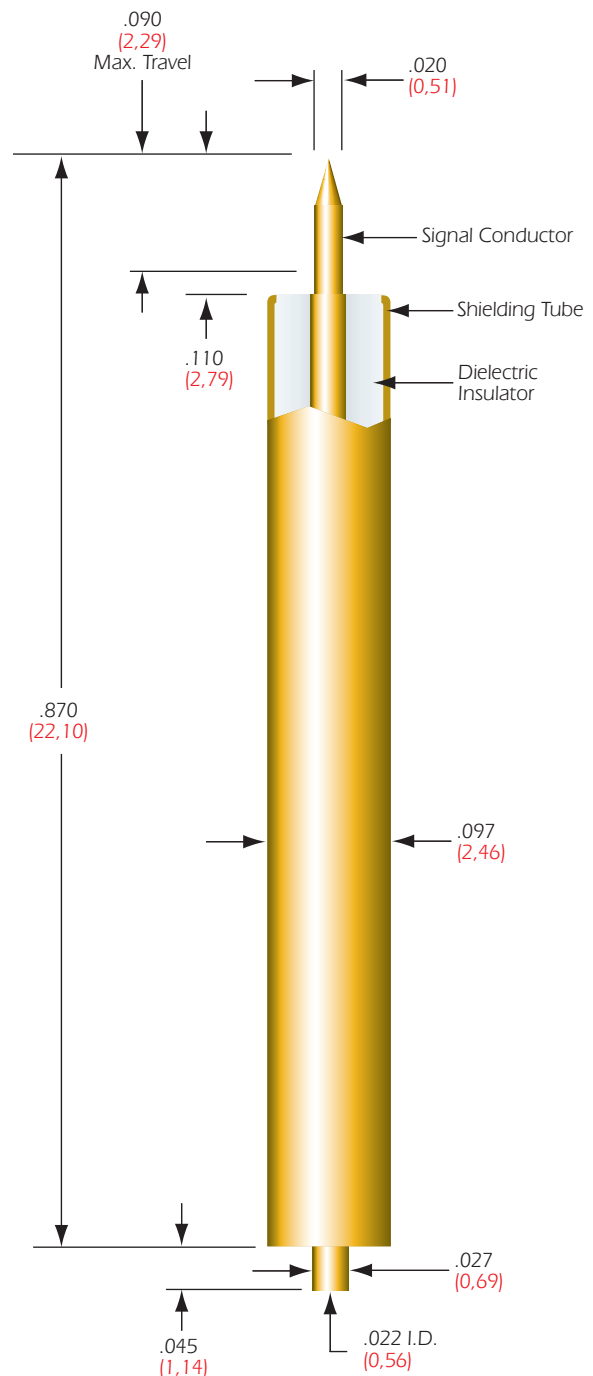
Isolation: -25 dB at 2 GHz

Insertion Loss: -.43 dB at 10 GHz

VSWR: 1.2:1 at 10 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100305

See option sheet for
additional information or
consult the factory.



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Coaxial Probe

50 Ohms Impedance

Double Ended without Shielding Plungers

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .150 (3,81)

Current Rating: 3 amps continuous

Recommended Working Travel: .050 (1,27), each end

Spring Force:

Signal Conductor: 1.3 oz. @ .050 travel, each end

MATERIALS:

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 00 probe (100557).
Additional tip styles available –
consult factory

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): Consult factory

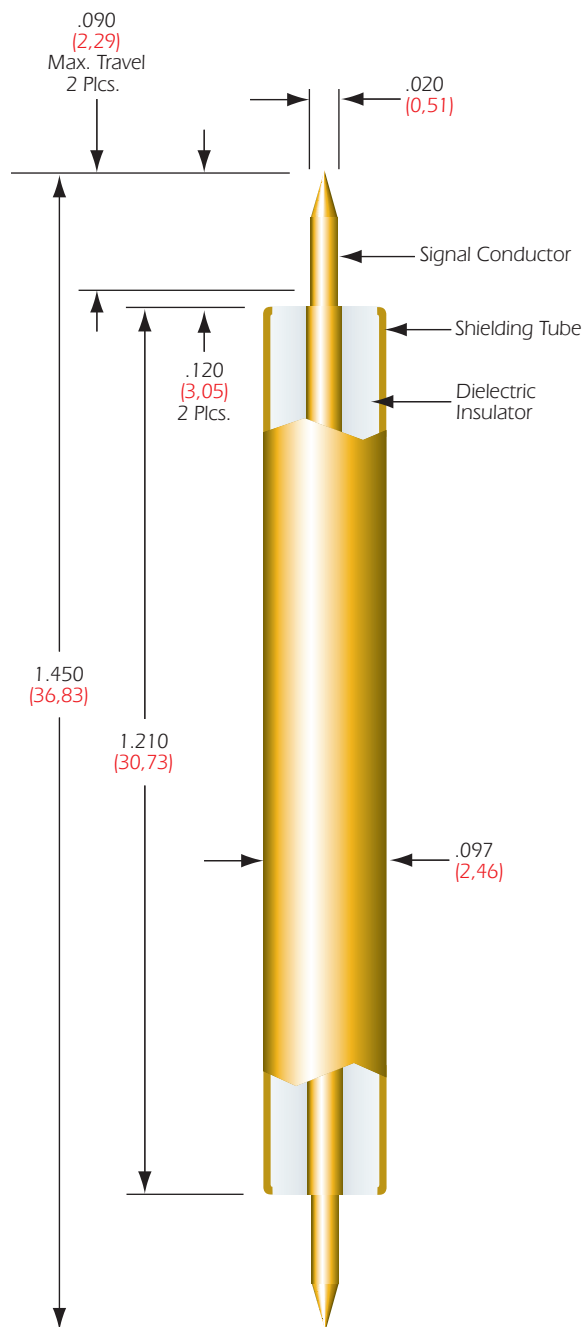
Isolation: Consult factory

Insertion Loss: Consult factory

VSWR: Consult factory

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100336

See option sheet for
additional information or
consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended with Shielding Plunger

Pre-attached Coaxial Cable

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .200 (5,08)

Current Rating: 3 amps continuous

Recommended Working Travel: .070 (1,78)

Spring Force:

Signal Conductor: 1.6 oz. @ .070 travel

Shielding Plunger: 4.3 oz. @ .070 travel

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Beryllium copper, gold plated

Spring: Stainless steel, gold plated

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 00 probe (100187).
Additional tip styles available –
consult factory

Coaxial Cable: RG 174/U, customer specified length

Connector Options: SMA, SMB, SMZ, BNC, None

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): 92.4 pS

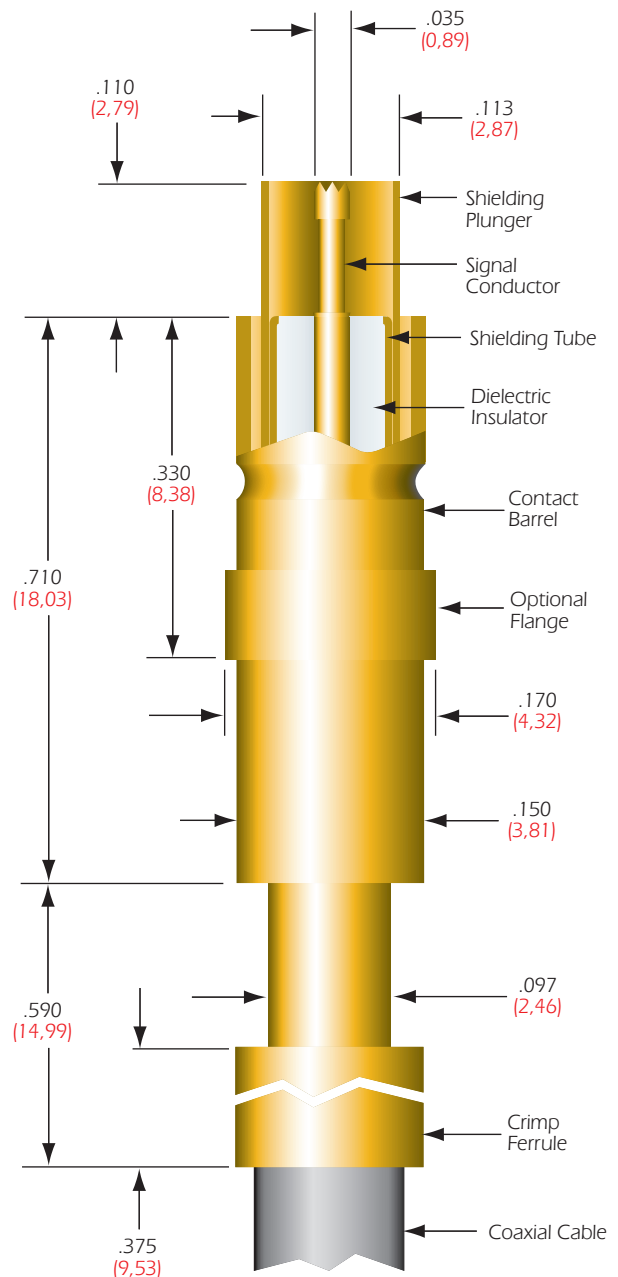
Isolation: -25 dB at 2 GHz

Insertion Loss: -1.0 dB at 4 GHz

VSWR: 1.2:1 at 3 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100445

See option sheet for
additional information or
consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended without Shielding Plunger

Pre-attached Coaxial Cable

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .150 (3,81)

Current Rating: 3 amps continuous

Recommended Working Travel: .070 (1,78)

Spring Force:

Signal Conductor: 1.6 oz. @ .070 travel

MATERIALS:

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 00 probe (100187).
Additional tip styles available –
consult factory

Coaxial Cable: RG 316, customer specified length

Connector Options: SMA, SMB, SMZ, BNC, None

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): 119 pS

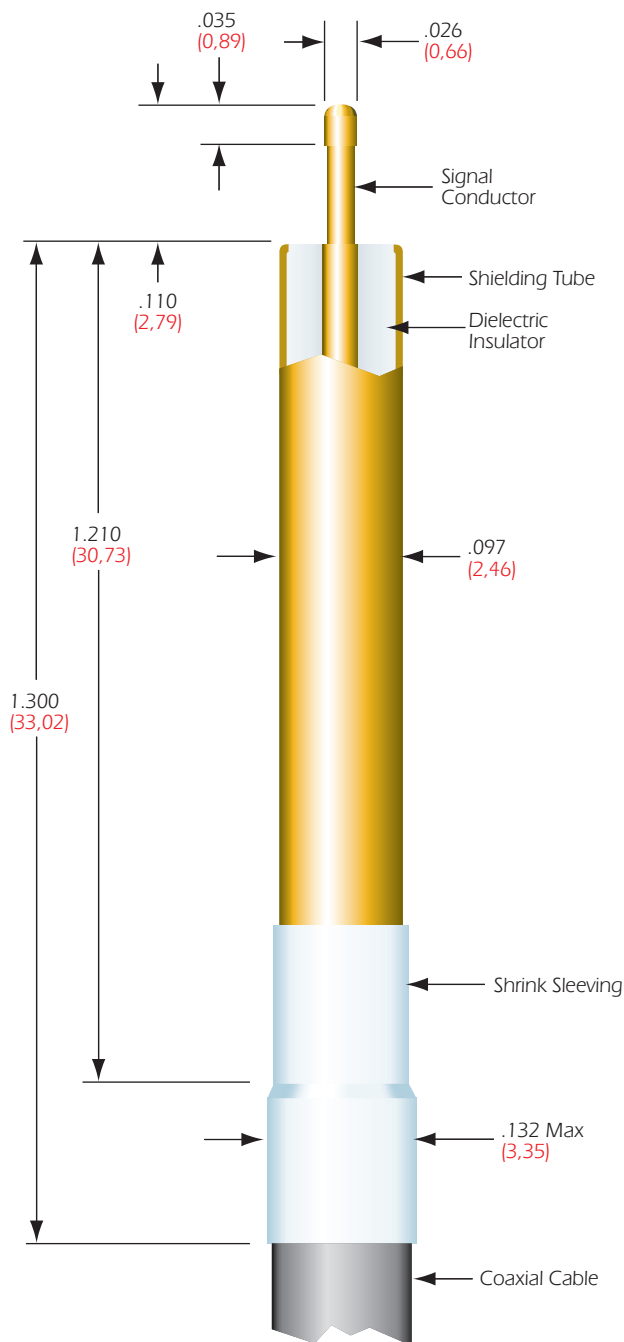
Isolation: Consult factory

Insertion Loss: 1 dB at 1.5 GHz

VSWR: 1.05:1 at 3 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100526

See option sheet for
additional information or
consult the factory.



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Coaxial Probe

50 Ohms Impedance

Double Ended with Shielding Plungers

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .100 (2,54)

Current Rating: .5 amps continuous

Recommended Working Travel: .023 (0,58), each end

Spring Force:

Signal Conductor: 1.15 oz. @ .023 travel, each end

Shielding Plunger: 2.2 oz. @ .023 travel, each end

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Copper alloy, gold plated

Spring: Music wire, gold plated

Isolation Cap: Torlon

Dielectric Insulator: Air

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Special Tri 0 probe (100548)

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): 85 pS

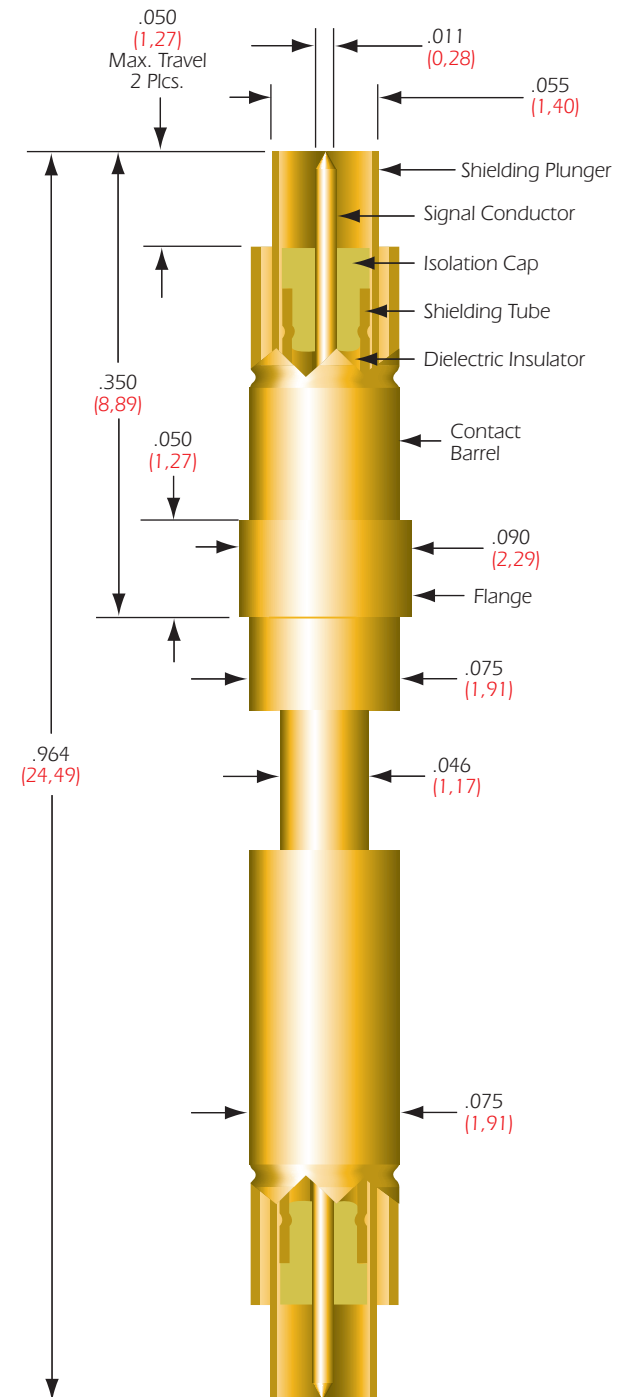
Isolation: Consult factory

Insertion Loss: -.39 dB at 5 GHz

VSWR: 1.18:1 at 5 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100546

See option sheet for additional information or consult the factory.



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Coaxial Probe

50 Ohms Impedance

Double Ended without Shielding Plungers

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .070 (1,78)

Current Rating: .5 amps continuous

Recommended Working Travel: .023 (0,58), each end

Spring Force:

Signal Conductor: 1.15 oz. @ .023 travel, each end

MATERIALS:

Isolation Cap: Torlon

Dielectric Insulator: Air

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Special Tri 0 probe (100548)

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): 109.9 pS

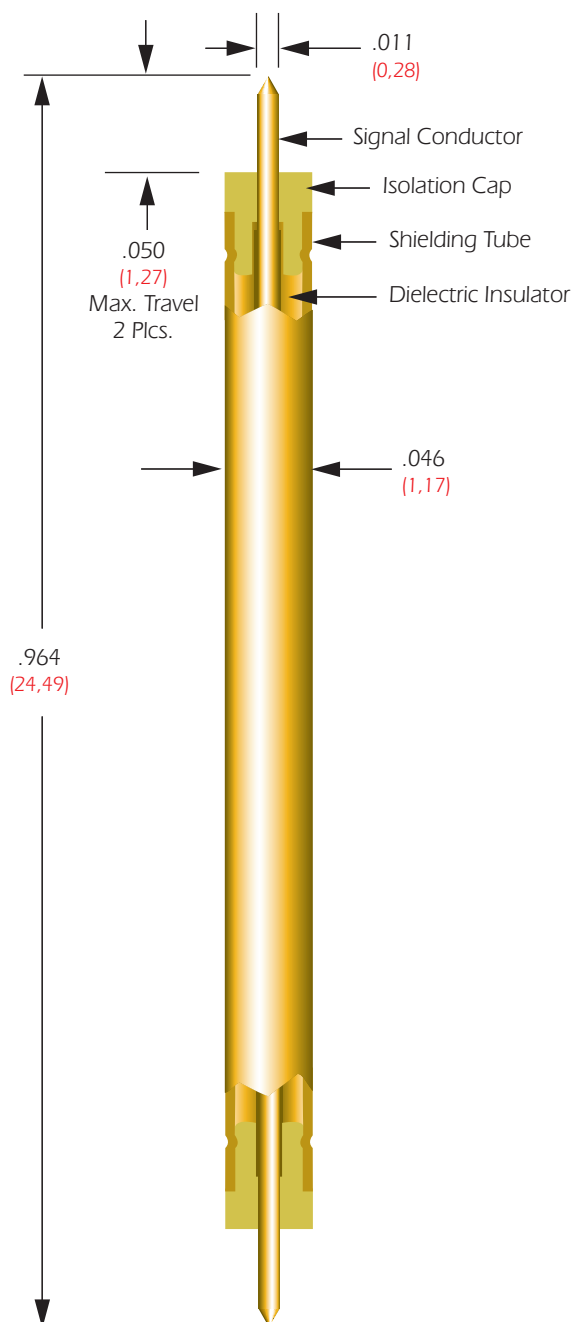
Isolation: -25 dB at 2 GHz

Insertion Loss: -.801 dB at 3 GHz

VSWR: 1.18:1 at 2 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100547

See option sheet for additional information or consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended with Shielding Plunger

Pre-attached Coaxial Cable

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .200 (5,08)

Current Rating: 3 amps continuous

Recommended Working Travel: .037 (0,94)

Spring Force:

Signal Conductor: 1.6 oz. @ .037 travel

Shielding Plunger: 3.4 oz. @ .037 travel

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Beryllium copper, gold plated

Spring: Stainless steel, gold plated

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 00 probe (100617).
Additional tip styles available –
consult factory

Coaxial Cable: Gore Tex CXN 2865A with drain wire

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): 91.5 pS

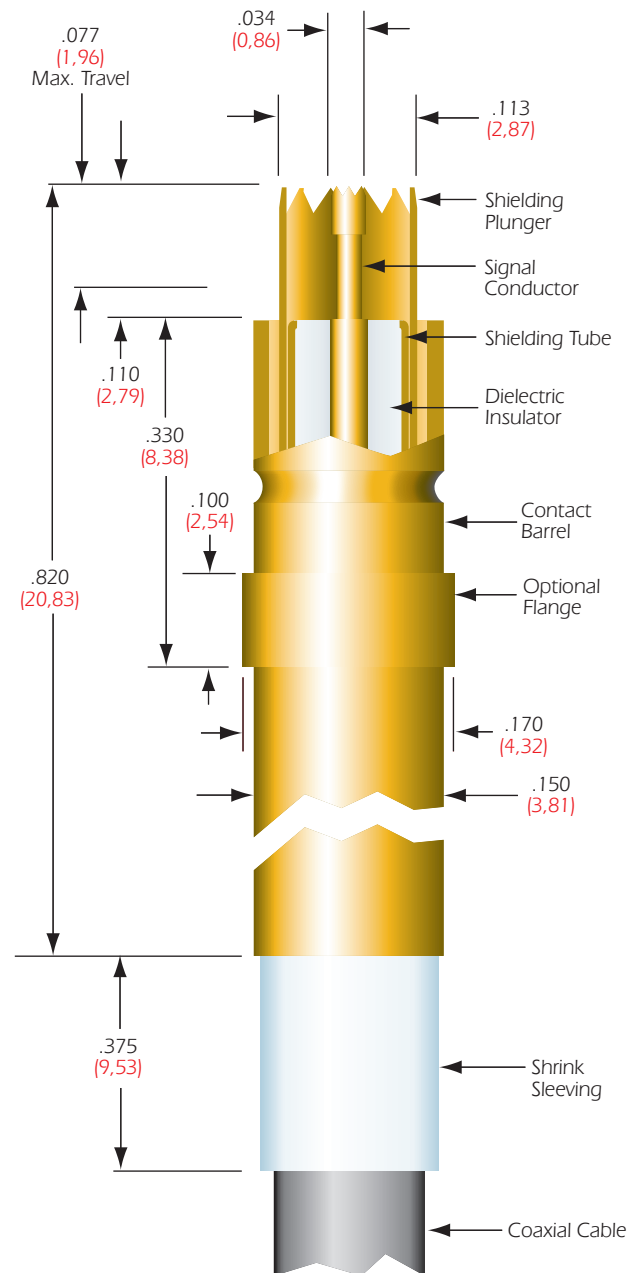
Isolation: -25 dB at 2 GHz

Insertion Loss: -.87 dB at 3.5 GHz

VSWR: 1.3:1 at 3.5 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100555

See option sheet for
additional information or
consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended with Shielding Plunger

SMB Connector

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .200 (5,08)

Current Rating: 3 amps continuous

Recommended Working Travel: .050 (1,27)

Spring Force:

Signal Conductor: 1.3 oz. @ .050 travel

Shielding Plunger: 3.7 oz. @ .050 travel

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Beryllium copper, gold plated

Spring: Beryllium copper, gold plated

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 00 probe (100557).
Additional tip styles available –
consult factory

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): 88.1 pS

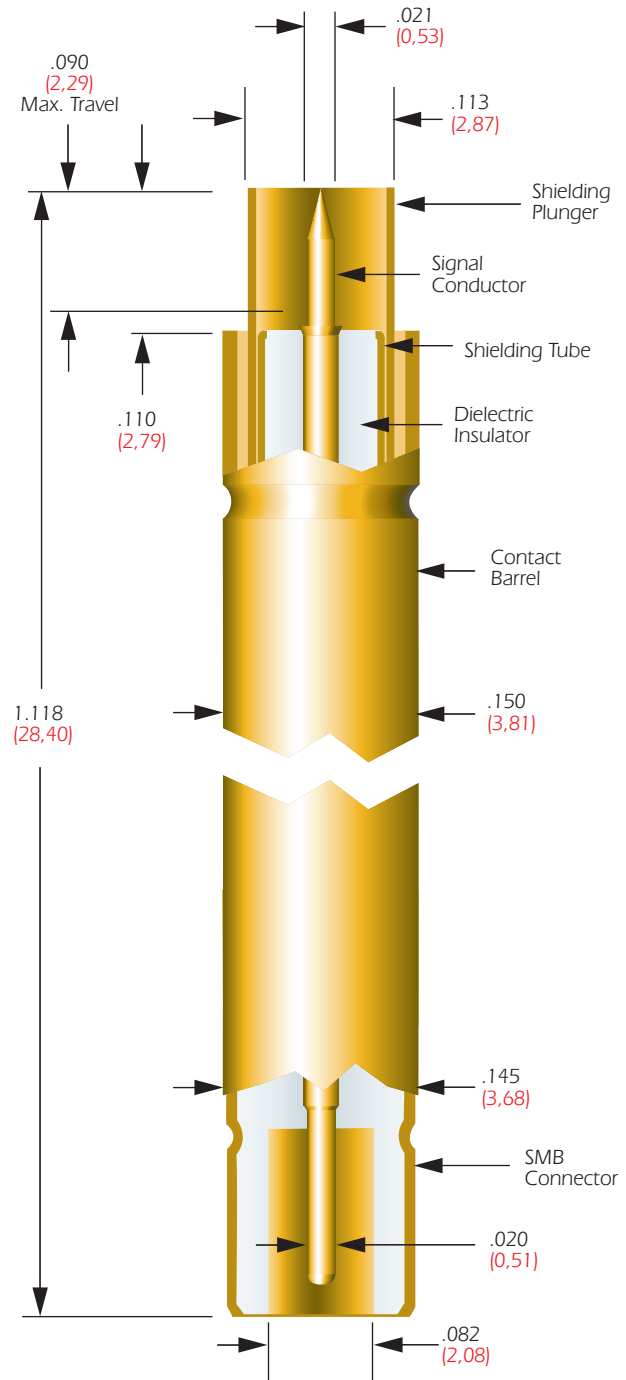
Isolation: Consult factory

Insertion Loss: -.38 dB at 5 GHz

VSWR: 1.2:1 at 3 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100559

See option sheet for
additional information or
consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended with Flanged Shielding Plunger

SMB Connector

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .300 (7,62)

Current Rating: 3 amps continuous

Recommended Working Travel: .107 (2,72)

Spring Force:

Signal Conductor: 2.3 oz. @ .107 travel

Shielding Plunger: 5.8 oz. @ .107 travel

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Brass, gold plated

Spring: Stainless steel, gold plated

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Special SL, Size 1 probe (100954)

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): 83.1 pS

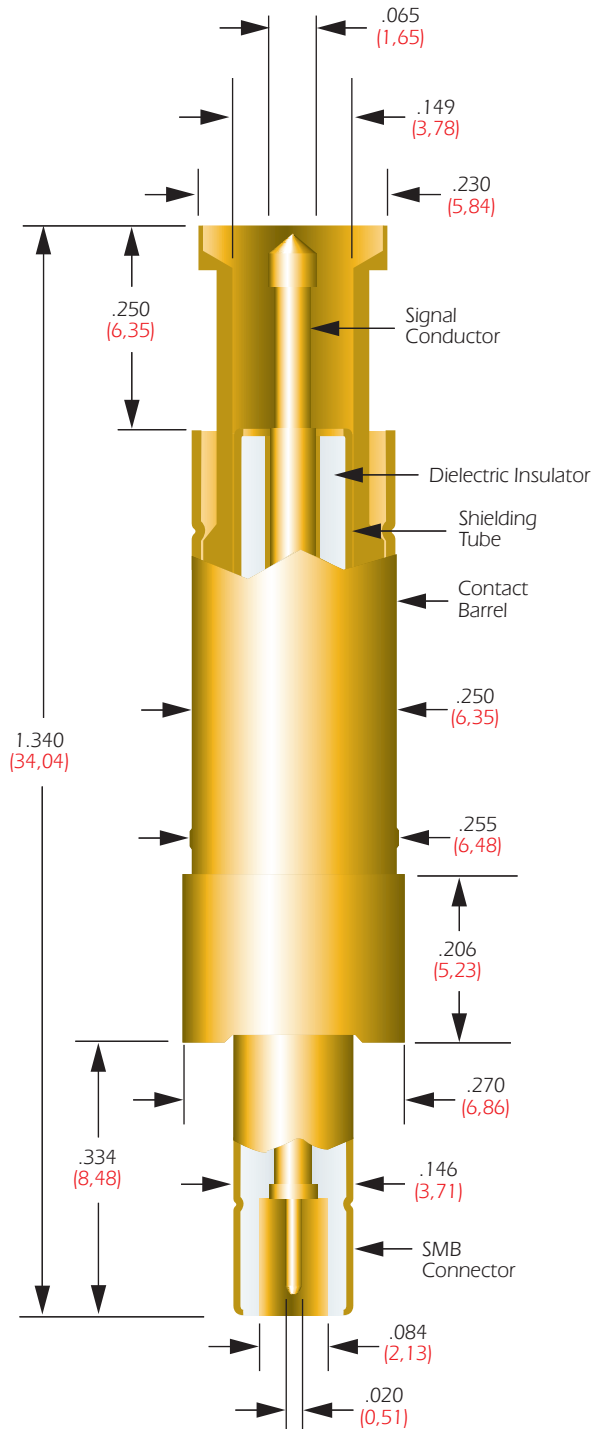
Isolation: Consult factory

Insertion Loss: -.36 dB at 5 GHz

VSWR: 1.4:1 at 5 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100563

See option sheet for additional information or consult the factory.



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Coaxial Probe

50 Ohms Impedance

Double Ended with Shielding Plungers

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .200 (5,08)

Current Rating: 3 amps continuous

Recommended Working Travel: .070 (1,78), each end

Spring Force:

Signal Conductor: 1.6 oz. @ .070 travel, each end

Shielding Plunger: 4.3 oz. @ .070 travel, each end

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Beryllium copper, gold plated

Spring: Stainless steel, gold plated

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 00 probe (100617).
Additional tip styles available –
consult factory

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): Consult factory

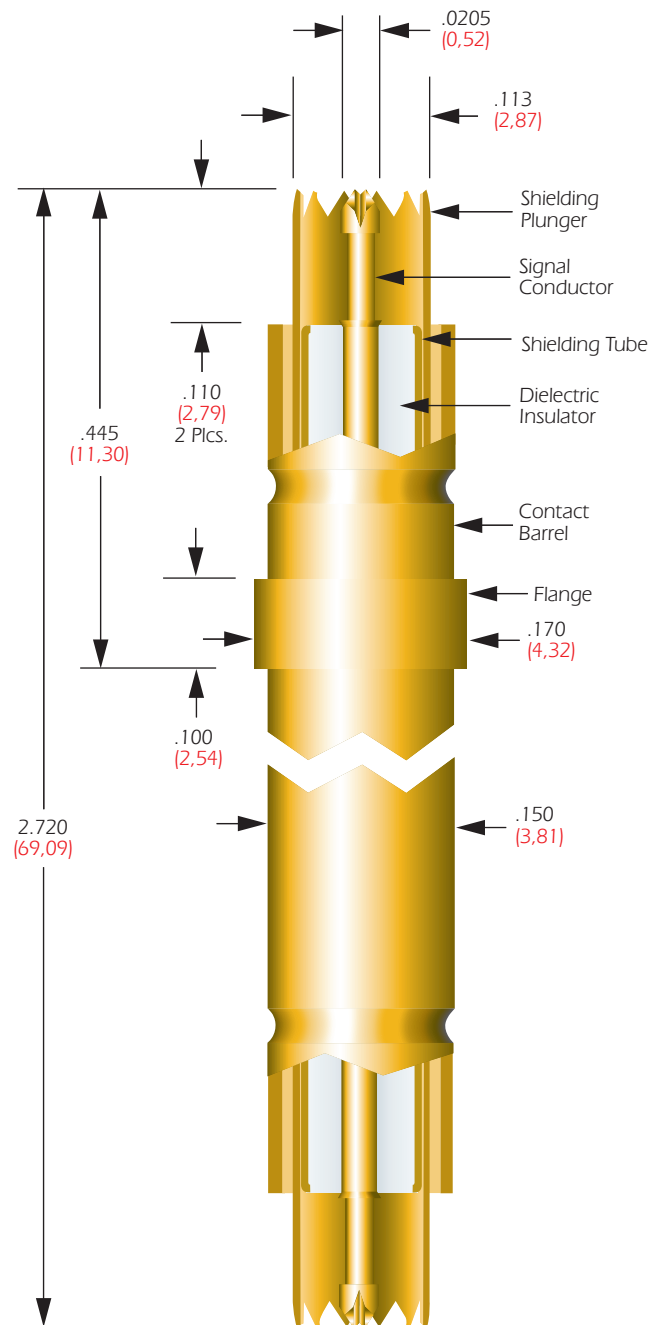
Isolation: -25 dB at 2 GHz

Insertion Loss: Less than -1 dB at 3 GHz

VSWR: 1.3:1 at 2 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100683

See option sheet for
additional information or
consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended with Shielding Plunger

Pre-attached Coaxial Cable

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .200 (5,08)

Current Rating: 3 amps continuous

Recommended Working Travel: .070 (1,78)

Spring Force:

Signal Conductor: 1.6 oz. @ .070 travel

Shielding Plunger: 4.3 oz. @ .070 travel

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Beryllium copper, gold plated

Spring: Stainless steel, gold plated

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 00 probe (100187).
Additional tip styles available –
consult factory

Coaxial Cable: RG 316, customer specified length

Connector Options: SMA, None

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

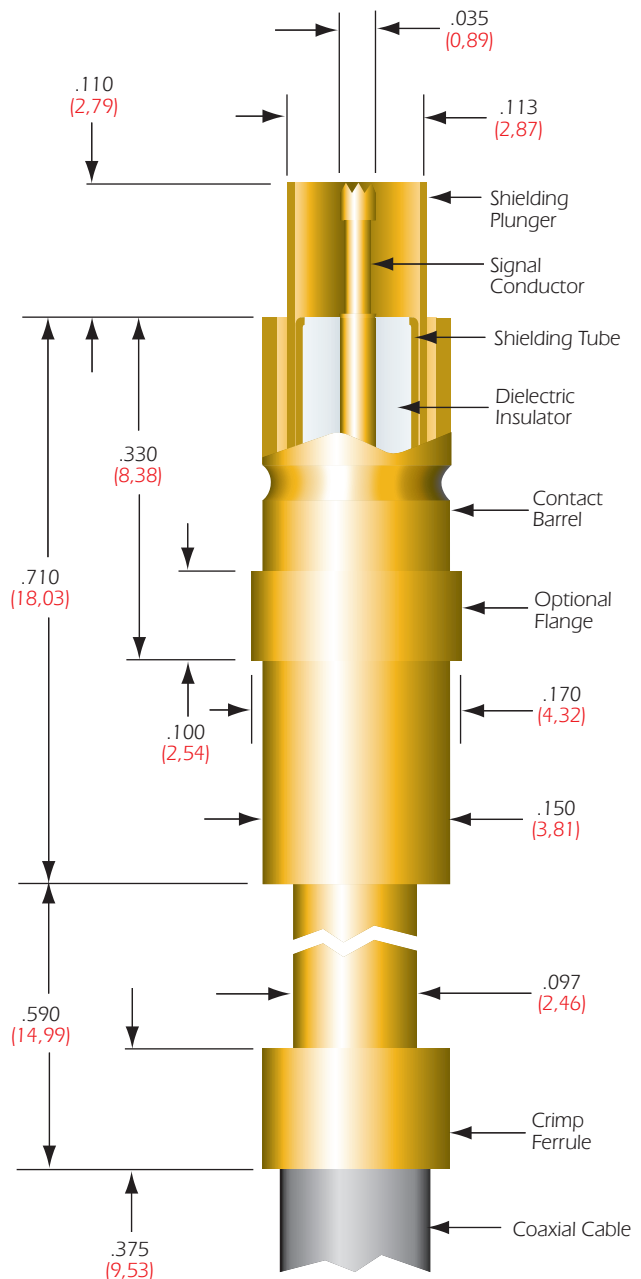
Rise Time (10% to 90%): Consult factory

Isolation: -25 dB at 2 GHz

Insertion Loss: Less than -1 dB at 3 GHz

VSWR: 1.3:1 at 2 GHz

Velocity of Propagation: Consult factory



Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options

BASE PART NUMBER

100746

See option sheet for
additional information or
consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended with Shielding Plunger

SMB Connector

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .200 (5,08)

Current Rating: 3 amps continuous

Recommended Working Travel: .050 (1,27)

Spring Force:

Signal Conductor: 1.3 oz. @ .050 travel

Shielding Plunger: 3.7 oz. @ .050 travel

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Beryllium copper, gold plated

Spring: Stainless steel, gold plated

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 00 probe (100557).
Additional tip styles available –
consult factory

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

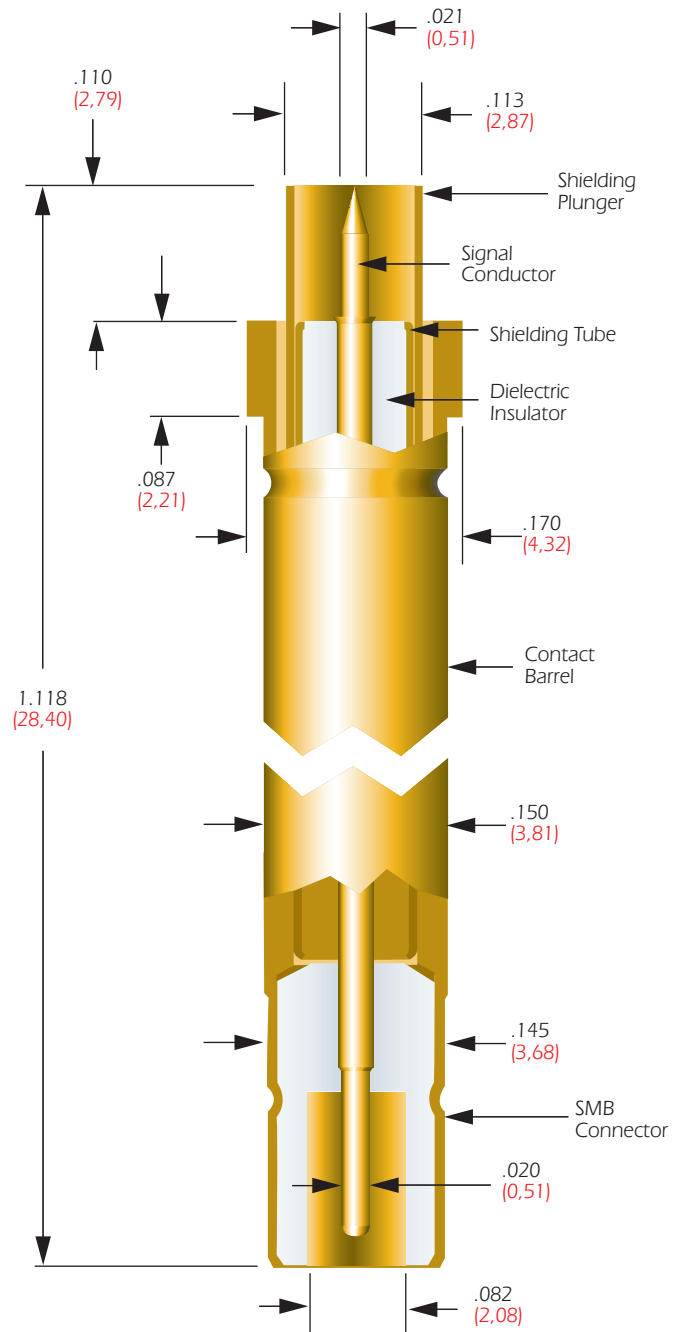
Rise Time (10% to 90%): Consult factory

Isolation: -25 dB at 2 GHz

Insertion Loss: Less than -1 dB at 3 GHz

VSWR: 1.3:1 at 2 GHz

Velocity of Propagation: Consult factory



Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options

BASE PART NUMBER

100749

See option sheet for
additional information or
consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended without Shielding Plunger

Direct Connect Coax

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .100 (2,54)

Current Rating: .5 amps continuous

Recommended Working Travel: .050 (1,27)

Spring Force:

Signal Conductor: 1.3 oz. @ .050 travel

MATERIALS:

Isolation Cap: Teflon

Dielectric Insulator: Air

Shielding Tube: Phosphor bronze, silver plated

Signal Conductor: Special probe subassembly (100769)

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): Consult factory

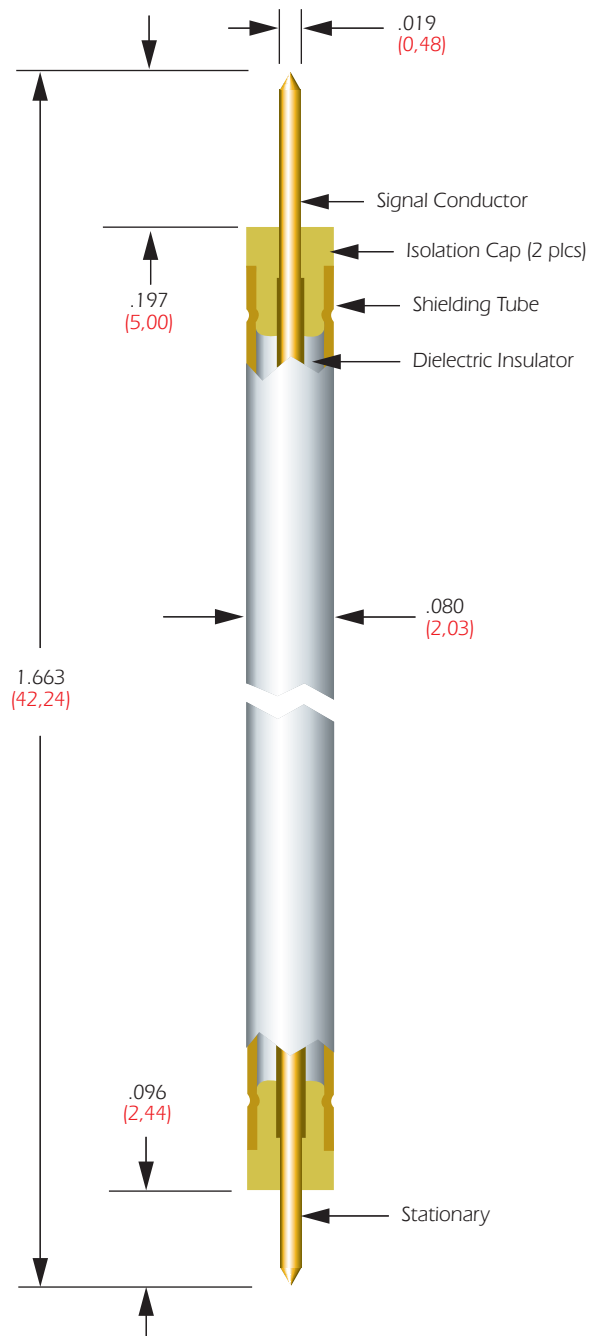
Isolation: -25 dB at 2 GHz

Insertion Loss: -1 dB at 3 GHz

VSWR: 1.5:1 at 2 GHz

Velocity of Propagation: Consult factory

Specifications subject to change with out notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100770

See option sheet for additional information or consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended with Shielding Plunger

Pre-attached Coaxial Cable

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .150 (3,81)

Current Rating: .5 amps continuous

Recommended Working Travel: .023 (0,58)

Spring Force:

Signal Conductor: .85 oz. @ .023 travel

Shielding Plunger: 2.2 oz. @ .023 travel

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Beryllium copper, gold plated

Spring: Music wire, gold plated

Isolation Cap: Torlon

Dielectric Insulator: Air

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Special TRI 0 probe (100778-00)

Coaxial Cable: Semi-rigid cable, customer specified length

Connector Options: SMA, None

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): 102.8 pS

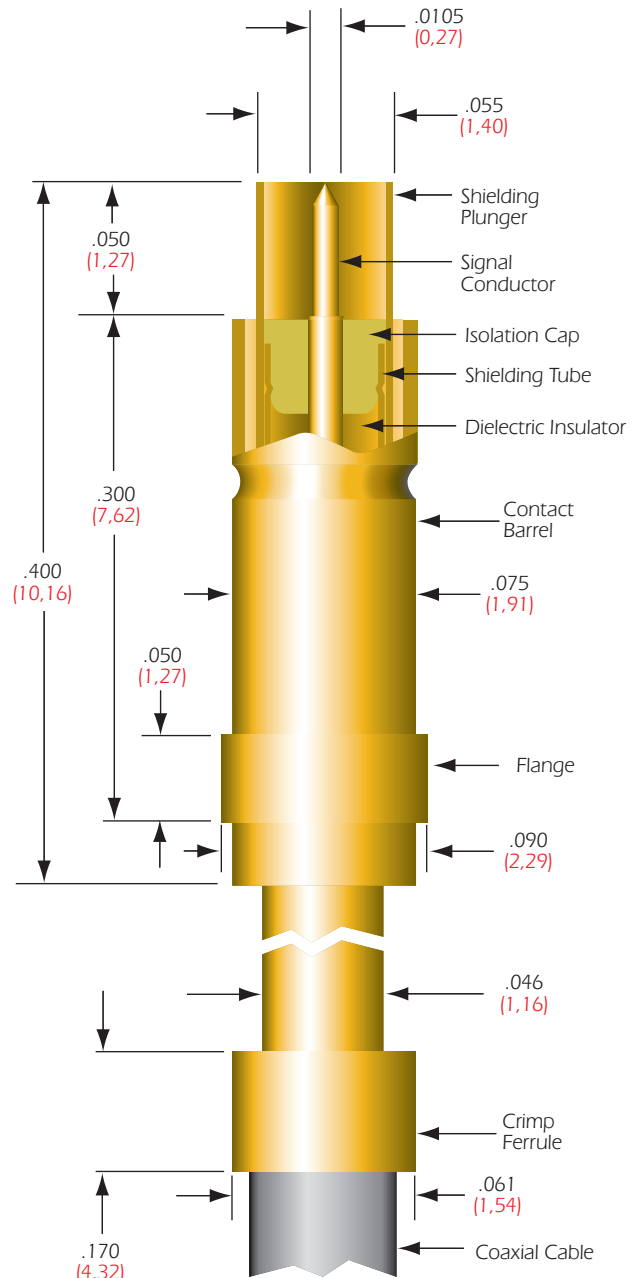
Isolation: Consult factory

Insertion Loss: 1.0 dB at 4.5 GHz

VSWR: 1.2:1 at 3 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice.
Dimensions in inches (millimeters).
Consult factory for additional options.



BASE PART NUMBER

100780

See option sheet for additional information or consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended with Shielding Plunger

Pre-attached Coaxial Cable

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .150 (3,81)

Current Rating: 3 amps continuous

Recommended Working Travel: .070 (1,78)

Spring Force: 100866-00

Signal Conductor: 1.7 oz. @ .070 travel

Shielding Plunger: 2.8 oz. @ .070 travel

Spring Force: 100866-01

Signal Conductor: 2.6 oz. @ .070 travel

Shielding Plunger: 2.8 oz. @ .070 travel

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Beryllium copper, gold plated

Spring: Stainless steel, gold plated

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Special probe subassembly.
Additional tip styles available –
consult factory

Coaxial Cable: CXN 1352B

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): 107.0 pS

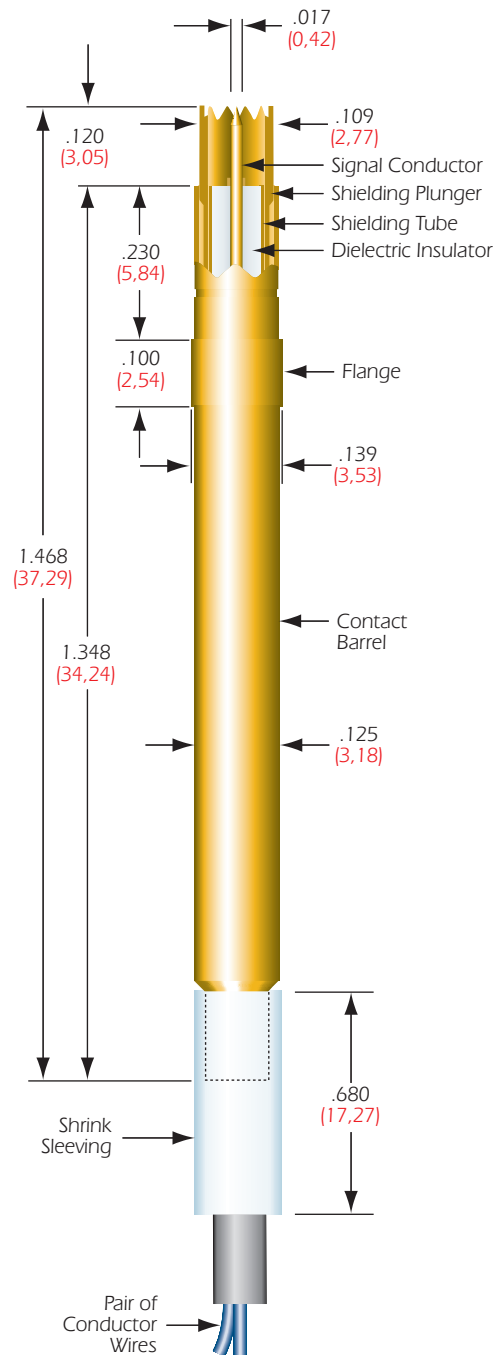
Isolation: -25 dB at 2.0 GHz

Insertion Loss: -1.03 dB at 4 GHz

VSWR: 1.13:1 at 4 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100866

See option sheet for
additional information or
consult the factory.



Interconnect Devices, Inc.

5101 Richland Avenue • Kansas City, KS 66106 • Fax (913) 342-7043 • Phone (913) 342-5544
E-mail: info@idinet.com • Internet: <http://www.idinet.com>

Coaxial Probe

29 Ohms Impedance

Single Ended with Flanged Shielding Plunger
SMB Connector

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .300 (7,62)

Current Rating: 3 amps continuous

Recommended Working Travel: .100 (2,54)

Spring Force:

Signal Conductor: 1.0 oz. @ .100 travel

Shielding Plunger: 6.1 oz. @ .100 travel

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Brass, gold plated

Spring: Stainless steel

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 2 probe

ELECTRICAL PROPERTIES

Nominal Impedance: 29 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): 83.1 pS

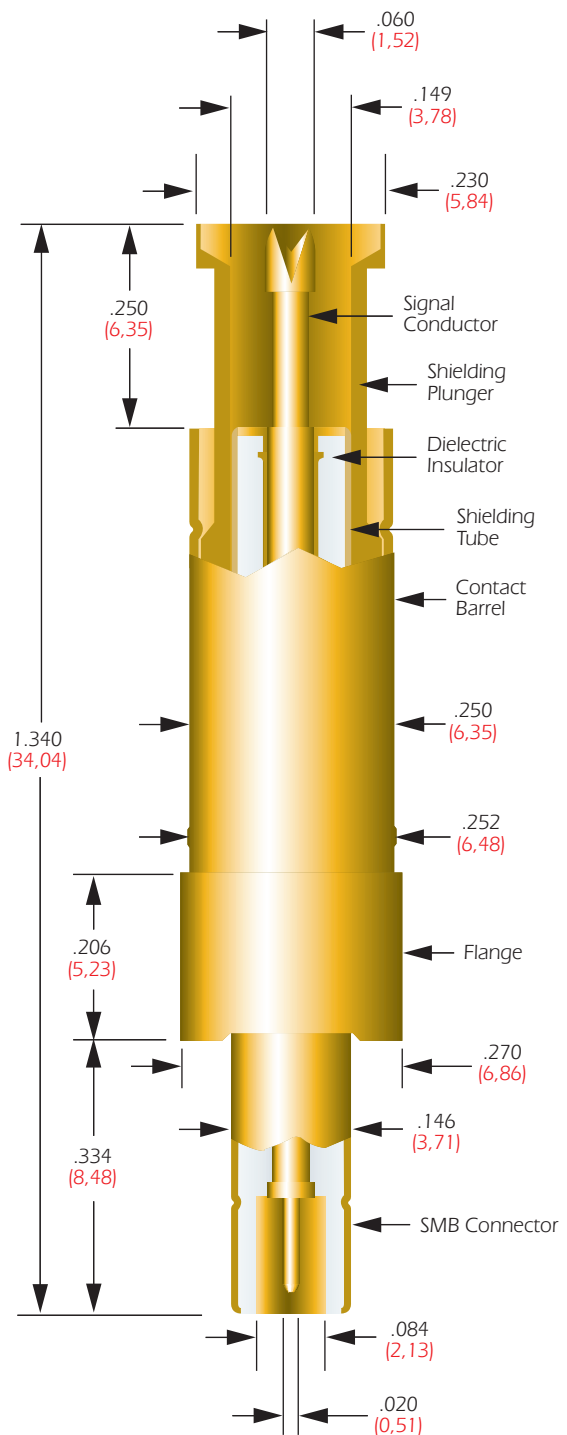
Isolation: Consult factory

Insertion Loss: 0.17 dB at 3 GHz

VSWR: 1.17 dB at 3 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100959

See option sheet for
additional information or
consult the factory.



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Coaxial Probe

50 Ohms Impedance

Non-rotating Single Ended with Shielding Plunger

Pre-attached Coaxial Cable

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .200 (5,08)

Current Rating: 3 amps continuous

Recommended Working Travel: .070 (1,78)

Spring Force:

Signal Conductor: 2.0 oz. @ .070 travel

Shielding Plunger: 4.5 oz. @ .070 travel

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Beryllium copper, gold plated

Spring: Stainless steel, gold plated

Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 00 probe (100187).
Additional tip styles available –
consult factory.

Coaxial Cable: Semi-flex or flex cable

Connector Options: SMA

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): Consult factory

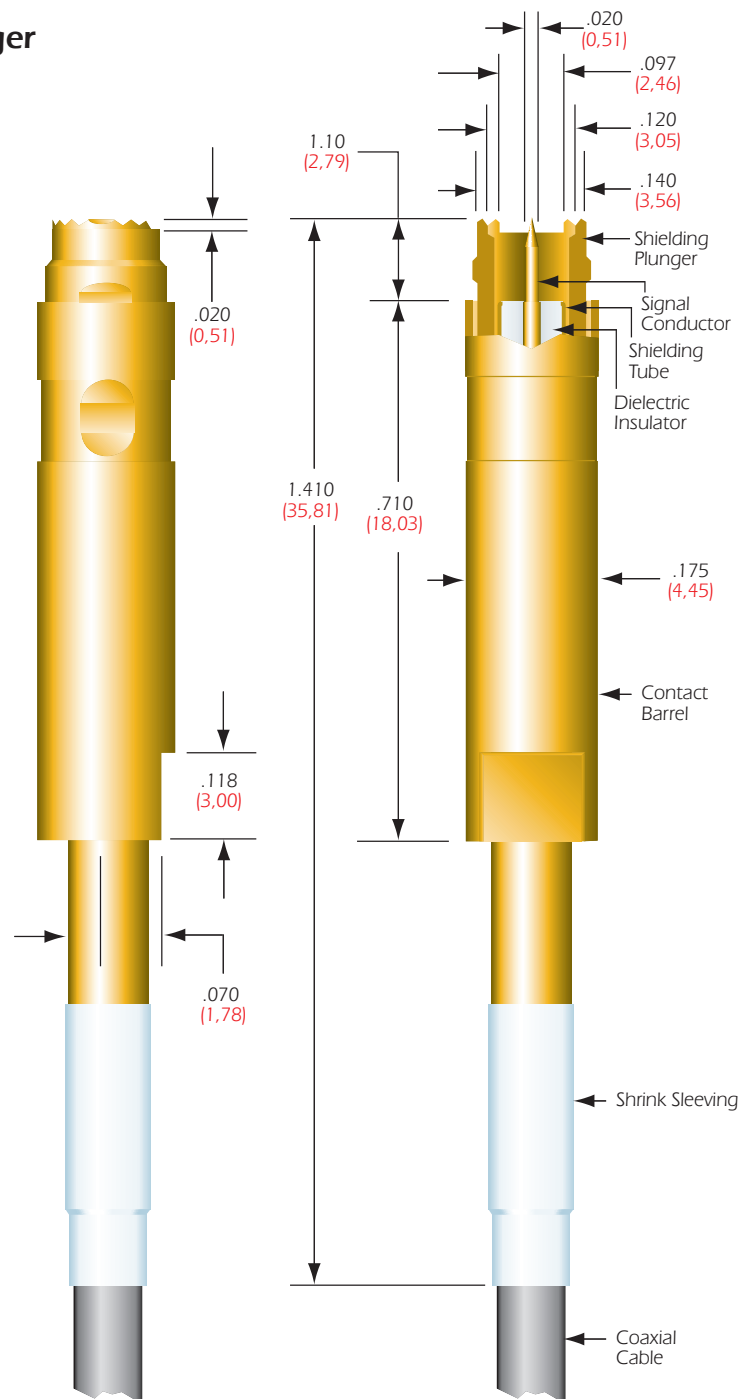
Isolation: -25 dB at 5 GHz

Insertion Loss: -.54 dB at 5 GHz

VSWR: 1.12:1 at 3 GHz

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

100999

See option sheet for
additional information or
consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended with Shielding Plunger

Pre-attached Coaxial Cable

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .150 (3,81)

Current Rating: .5 amps continuous

Recommended Working Travel: .023 (0,58)

Spring Force:

Signal Conductor: 1.1 oz. @ .023 travel

Shielding Plunger: 2.2 oz. @ .023 travel

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Beryllium copper, gold plated

Spring: Music wire, gold plated

Isolation Cap: Torlon

Dielectric Insulator: Air

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Special Tri 0 probe (100778)

Coaxial Cable: 50 Ohm semi-rigid cable, customer specified length

Connector Options: SMA

ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): Consult factory

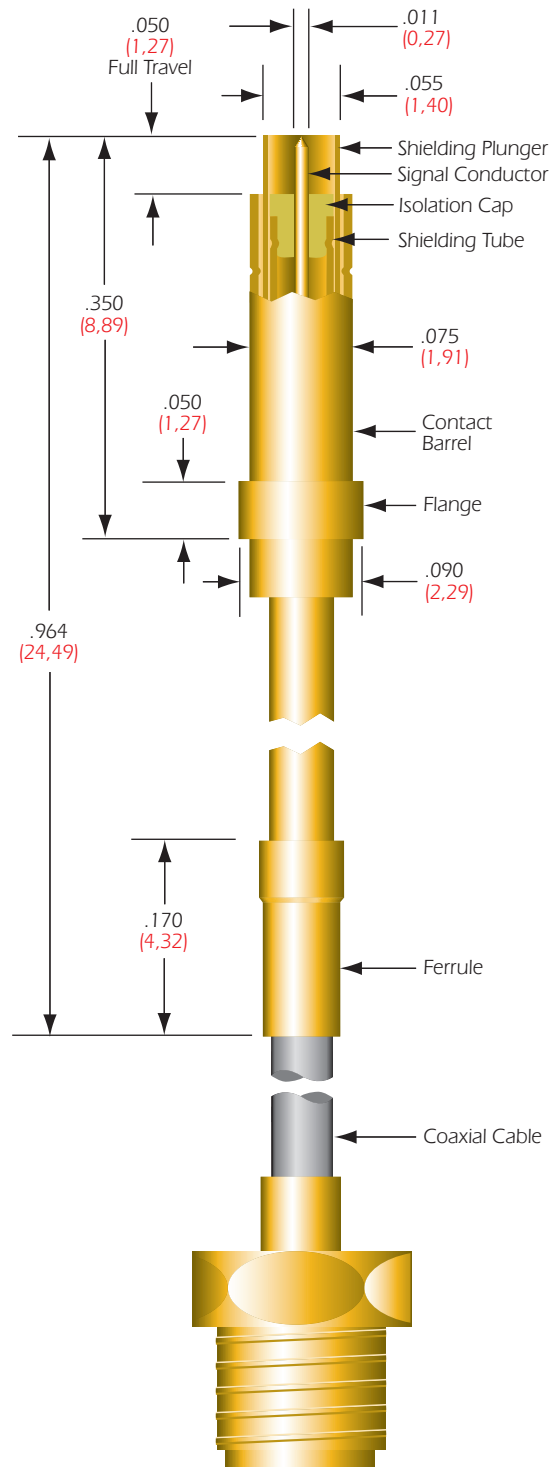
Isolation: Consult factory

Insertion Loss: Consult factory

VSWR: Consult factory

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options



BASE PART NUMBER

101021

See option sheet for additional information or consult the factory.



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Coaxial Probe

50 Ohms Impedance

Single Ended with Shielding Plunger

Pre-attached Coaxial Cable

PROBE TECHNICAL SUMMARY

Recommended Minimum Centers: .200 (5,08)

Current Rating: 3 amps continuous

Recommended Working Travel: .070 (1,78)

Spring Force:

Signal Conductor: 1.6 oz. @ .070 travel

Shielding Plunger: 6.9 oz. @ .070 travel

MATERIALS:

Contact Barrel: Brass, gold plated

Shielding Plunger: Beryllium copper, gold plated

Spring: Stainless steel, gold plated

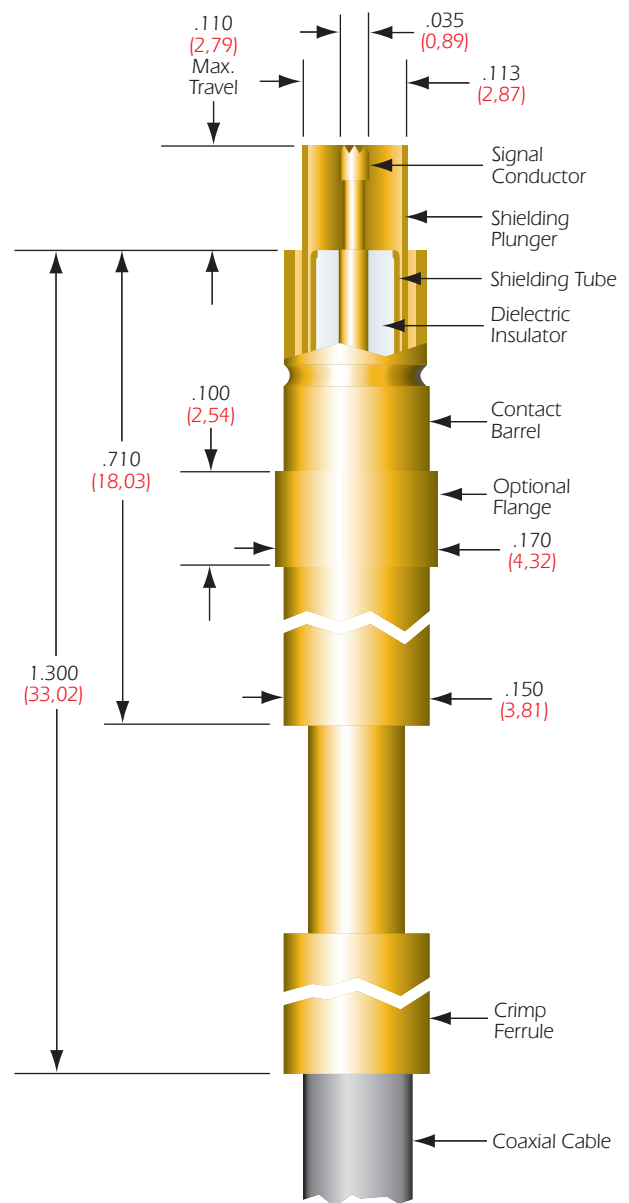
Dielectric Insulator: Teflon

Shielding Tube: Stainless steel, gold plated

Signal Conductor: Series S, Size 00 (100187).
Additional tip styles available –
consult factory

Coaxial Cable: RG174/U, customer specified length

Connector Options: SMA, BNC, None



ELECTRICAL PROPERTIES

Nominal Impedance: 50 Ohms

Capacitance: Consult factory

Rise Time (10% to 90%): Consult factory

Isolation: Consult factory

Insertion Loss: Consult factory

VSWR: Consult factory

Velocity of Propagation: Consult factory

Specifications subject to change without notice
Dimensions in inches (millimeters)
Consult factory for additional options

BASE PART NUMBER

101093

See option sheet for
additional information or
consult the factory.



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Coax Probe Ordering Options

Base Part Number	Signal Conductor Description	Tip Options																Optional Flange	Shielding Plungers			Cable Options
		A	B	C	D	E	ES	G	GS	H	J	T	T4	T6	U	V	X		Standard	Serrated	Extended	Flanged
100290	Double Ended	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		
100304	Direct Connect	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		
100305	Direct Connect	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓						
100336	Double Ended	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓						
100445	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		RG 174
100447	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓			✓	RG 174
100448	Double Ended	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓						
100456	Double Ended	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓				
100467	Pre-attached Cable							✓	✓						✓		✓	✓	✓			CXN 1352B
100482	Double Ended	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		
100499	Direct Connect	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		
100521	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓				RG 174 or RG 316
100526	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓						RG 316
100532	Direct Connect	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓				✓		
100546	Double Ended	✓	✓	✓					✓		✓								✓			
100547	Double Ended	✓	✓	✓					✓		✓	✓										
100555	Pre-attached Cable							✓	✓						✓			✓	✓			CXN 2865A
100559	SMB	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓			✓			
100563	SMB	✓				✓						✓									✓	
100570	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓						RG 179
100571	Pre-attached Cable	✓	✓	✓	✓	✓	✓			✓	✓		✓					✓	✓	✓		RG 179
100589	Pre-attached Cable	✓									✓	✓		✓	✓			✓	✓			Semi-Rigid
100683	Double Ended								✓	✓					✓		✓		✓	✓		
100694	Double Ended	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓						
100746	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		RG316
100749	SMB	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓			✓	✓		
100770	Double Ended																					
100780	Pre-attached Cable	✓	✓	✓					✓	✓	✓	✓	✓	✓					✓			Semi-Rigid
100797	Pre-attached Cable		✓								✓				✓				✓	✓		Semi-Rigid
100805	Direct Connect	✓																				
100807	SMB	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓			✓	✓		

Cable Termination Options:
None
BNC
SMA
SMB
SMZ
ITA

Base Part Number	Description	Signal Conductor Tip Options																Optional Flange	Shielding Plungers				Cable Options
		A	B	C	D	E	ES	G	GS	H	J	T	T4	T6	U	V	X		Standard	Serrated	Extended	Flanged	
100820	Pre-attached Cable										✓												RG 316
100822	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓					RG 174
100866	Pre-attached Cable		✓							✓				✓				✓	✓				CXN 1352B
100908	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓				RG 316
100910	SMB	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓			✓					
100918	Pre-attached Cable	✓																			✓		RG 174
100956	Double Ended	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓								
100957	Direct Connect	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓				
100959	SMB	✓	✓	✓	✓	✓		✓		✓	✓	✓									✓		
100962	Pre-attached Cable		✓								✓			✓				✓					
100964	Pre-attached Cable		✓								✓			✓					✓				CXN 1352B
100984	Double Ended		✓															✓	✓				
100993	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓				✓	Semi-Rigid
100997	Single Ended		✓							✓	✓												
100998	Single Ended		✓							✓	✓							✓					
100999	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓			Flex or Semi-Flex
101010	SMB	✓				✓						✓											
101018	SMB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓						
101019	Pre-attached Cable																		✓				Flex or Semi-Flex
101021	Pre-attached Cable		✓						✓		✓							✓					Semi-Rigid
101036	Double Ended	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓		
101044	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓					RG 316
101045	Double Ended				✓						✓												
101062	Direct Connect	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓				
101069	Pre-attached Cable		✓						✓		✓							✓					CXN 1352B
101089	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓				RG 174
101093	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓				RG 174
101094	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓				RG 174
101097	Double Ended								✓									✓	✓				
101101	Pre-attached Cable		✓								✓								✓				Semi-Flex or RG 316
101102	Pre-attached Cable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓		RG 316
101103	Double Ended	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓			

Cable Termination Options:
None
BNC
SMA
SMB
SMZ
ITA

Cable Termination Options:
None
BNC
SMA
SMB
SMZ
ITA

Mouser Electronics

Authorized Distributor

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