

CABLE 176 RF: RF CABLE ASSEMBLY, PROBE R/A PLUG + SMA FEMALE BULKHEAD JACK + Ø1.37 CABLE

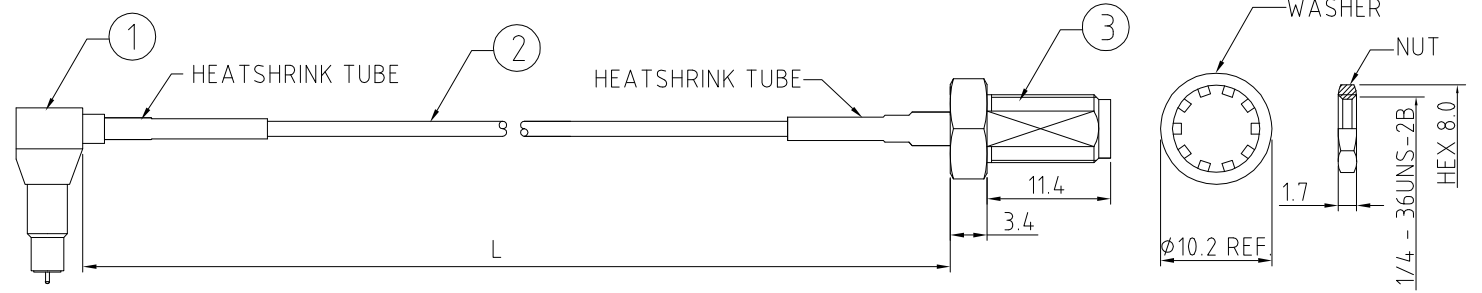
SPECIFICATIONS :

1. PROBE R/A PLUG MALE (C97DA33137005)
(SEE NEXT PAGE FOR DETAIL DRAWING.)
2. Ø1.37MM COAXIAL CABLE, COLOR: BLACK.
3. SMA STRAIGHT BULKHEAD JACK FEMALE (C02AB31137003)

USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:
 (i) HANDLE WITH CARE.
 (ii) DO NOT TWIST; APPLY EXCESSIVE FORCES OR SHARP BENDS TO THE CABLE. DO NOT FORCEFULLY DEFORM WIRES.
 (iii) CONSULT CONNECTOR MANUFACTURER'S DATASHEETS FOR DETAILED NOTES ON HANDLING INSTRUCTIONS.

NOTES:

1. THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY, IF THE ORDER IS LEFT BLANK THE CONNECTOR WILL NOT HAVE FIXED ORIENTATION.
2. FIXED ORIENTATION IS POSSIBLE FOR CABLE LENGTH 25MM TO 220MM. PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC)
3. CONTACT GRADCONN IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
4. WORKING FREQUENCY RANGE: DC-6GHz



HOW TO ORDER

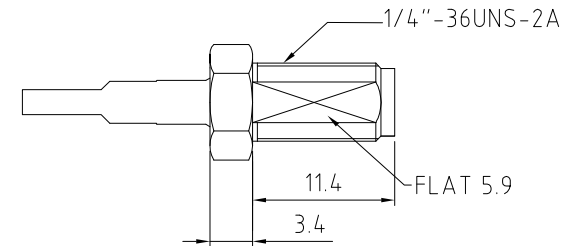
CABLE 176 RF - XXX - XX - X - 1

"L" LENGTH IN MM
 eg: 100MM = 100
 (MIN. 025-MAX.400)
 STANDARD = 100, 150, 200
 Tolerance: <50mm : ±2mm.
 51-200mm: ±5mm.
 201-400mm: ±7mm.

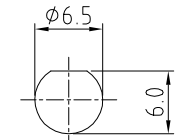
CABLE SIZE:
 1 = Ø1.37MM CABLE, COLOR: BLACK

WASHER AND NUT OPTIONS:
 BLANK = SEPARATELY PACKED (STANDARD)
 A = ASSEMBLED WITH CONNECTOR

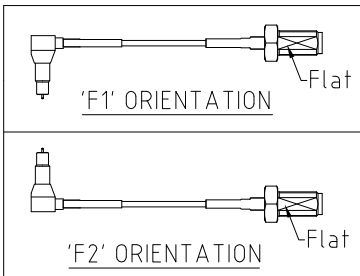
ORIENTATION OPTIONS:
 BLANK = DOES NOT HAVE A FIXED ORIENTATION
 F1 = PROBE R/A CONNECTION DOWN (L=25-220MM)
 F2 = PROBE R/A CONNECTION UP (L=25-220MM)
 (SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)



SMA JACK DETAIL DIMENSION



RECOMMENDED SMA MOUNTING HOLE



REV. DATE & DRN
 TO 03/07/14 - NYW RELEASE

Scale: NTS	THIRD ANGLE	Unstated X .XX .XXX ANGLES	Tolerances: ±0.2 ±0.1 ±0.05 ±5	Material SEE NOTE
Drawn: NYW				
App'd: XXX	Title: CABLE ASSEMBLY	NOT TO SCALE		
Date: 3 JUL '14	Revision: 1.0	Unit: mm		

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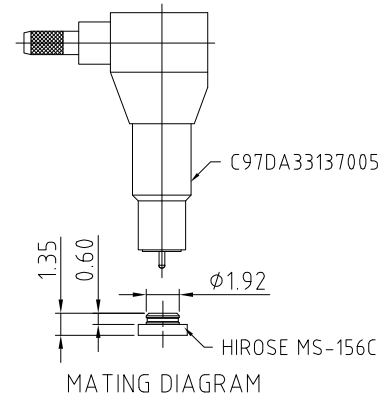
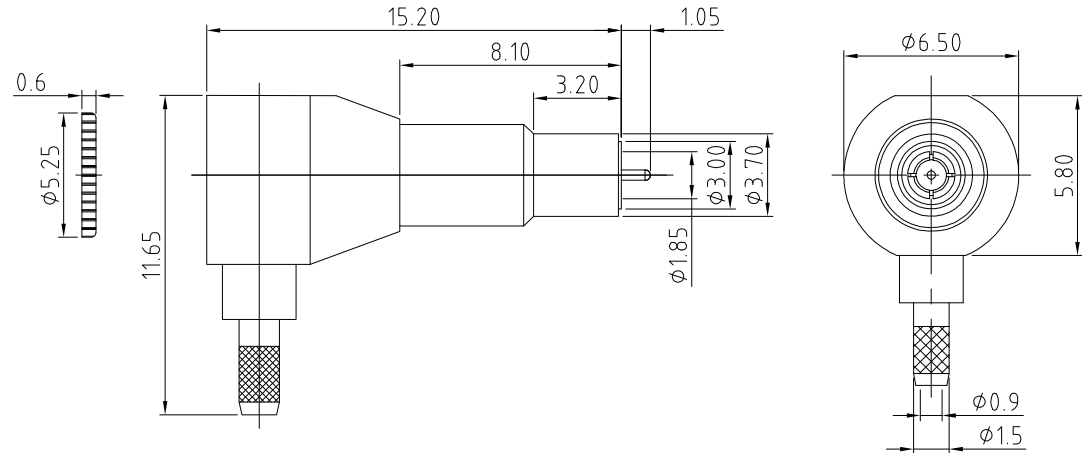
Type: Cable 176 RF
CABLE 176 RF
Drawing Number:
Sheet 1 of 1
Drawing © E and O E

C97DA33137005: PROBE RIGHT ANGLE PLUG, CRIMP TYPE FOR $\phi 1.37$ CABLE

MATERIAL AND FINISH: -
 BODY: BRASS/PHOSPHOR BRONZE, NICKEL PLATED.
 CENTER CONTACT: BRASS/PHOSPHOR BRONZE, GOLD PLATED.
 INSULATOR: TEFLON.
 SPRING: STEEL.
 SLEEVE: BRASS, GOLD PLATED.
 CAP: BRASS, NICKEL PLATED.
 CRIMP FERRULE: BRASS, NICKEL PLATED.

SPECIFICATION: -
 FREQUENCY RANGE: DC - 8 GHz.
 IMPEDANCE: 50 Ohms
 VSWR: DC - 3 GHz < 1.4
 3 - 8 GHz < 1.8
 DIELECTRIC WITHSTANDING VOLTAGE: 300V rms
 INSULATION RESISTANCE: 500M Ohms
 COUPLING METHOD: SNAP-ON
 DURABILITY (MATING/UNMATING): 500 CYCLES
 EXTRACTION FORCE: 30N MAX
 DISENGAGEMENT FORCE: 3~40N.
 TEMPERATURE RANGE: -40° TO +85°

MATE WITH: HIROSE MS-156C SERIES SOCKETS



REV. DATE & DRN
 TO 01/07/14 - NYW RELEASE

Scale: NTS	THIRD ANGLE	Unstated X .XX .XXX ANGLES	Tolerances: ± 0.25 ± 0.15 ± 0.05 $\pm 2^\circ$	Material SEE NOTE
Drawn: NYW				
App'd: XXX	Title: PROBE PLUG	NOT TO SCALE		
Date: 1 JUL. '14	Revision: 1.0	Unit: mm		

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Type: C97DA33137005
C97DA33137005
Drawing Number:
Sheet 1 of 1
Drawing © E and O E