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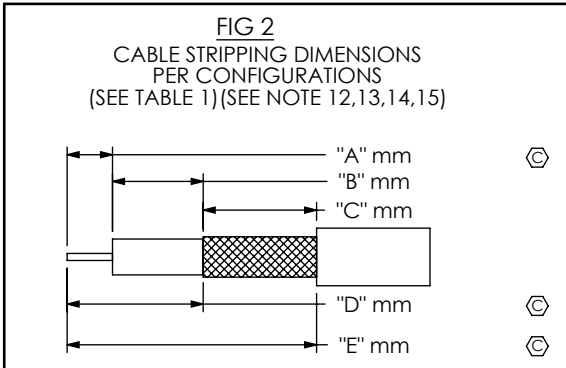


TABLE 1

STYLE	CABLE CUT LENGTH	HI POT
	SUBTRACTOR (SEE NOTE 2)	DCV
-74RPX	4.7 [0.19]	1000
-74SPX	10.3 [0.41]	1000
-SING	0.0 [0.00]	1000
-XXXXXX	0.0 [0.00]	1000
-D4SPX	10.3 [0.41]	1000
-78SPX	15.7 [0.62]	1000
-79SPX	8.7 [0.34]	1000
-79RPX	3.0 [0.12]	1000
-H4SPX	13.4 [0.53]	1000

TABLE 2: FINAL ASSEMBLY LENGTH TOLERANCE

LENGTH	TOLERANCE
0300-0500 [7.87-19.69]	+5.0 [.20]/-0.0 [.00]
0500-1100 [19.69-43.30]	+10.0 [.40]/-0.0 [.00]
>1100 [43.30]	± 1%

CABLE COUTOUT
A: CCA-6 (RG-6 CABLE)
B: CCA-1694A (BELDEN 1694A CABLE)

END 1 CONNECTOR
-74RP: BNC7T-P-C-XX-RA-CA6 (SEE SHEET 2)
-74SP: BNC7T-P-C-XX-ST-CA6 (SEE SHEET 2)
-D4SP: BNC7T-P-C-XX-ST-CA6D (SEE SHEET 2)
-78SP: DIN7A-PP-C-XX-ST-CA6 (SEE SHEET 3)
-79SP: MBNC7-P-C-XX-ST-CA6 (SEE SHEET 3, SEE NOTE 18)
-79RP: MBNC7-P-C-XX-RA-CA6 (SEE SHEET 3, SEE NOTE 18)
-H4SP: HDBNC-P-C-XX-ST-CA6 (SEE SHEET 2)

END 1 PLATING OPTION
2. GOLD / NICKEL COMBINATION
3. ALTERNATE GOLD / NICKEL
4. ALTERNATE GOLD / GOLD FLASH / NICKEL
5. ALTERNATE GOLD / GOLD / NICKEL
6. ALTERNATE H GOLD / H GOLD / NICKEL
8. ALTERNATE HEAVY GOLD / GOLD FLASH / NICKEL
(SEE SHEET 2 AND 3 FOR PLATING SPECIFICS)

OVERALL CABLE LENGTH
MILLIMETERS OF CABLE
0300 MIN. (SEE NOTE 8 & 9)

END 2 PLATING OPTION
2. GOLD / NICKEL COMBINATION
3. ALTERNATE GOLD / NICKEL
4. ALTERNATE GOLD / GOLD FLASH / NICKEL
5. ALTERNATE GOLD / GOLD / NICKEL
6. ALTERNATE H GOLD / H GOLD / NICKEL
8. ALTERNATE HEAVY GOLD / GOLD FLASH / NICKEL
(SEE SHEET 2 AND 3 FOR PLATING SPECIFICS)
(LEAVE BLANK FOR -SING OR -XXXXXX END 2 PREPARATION)

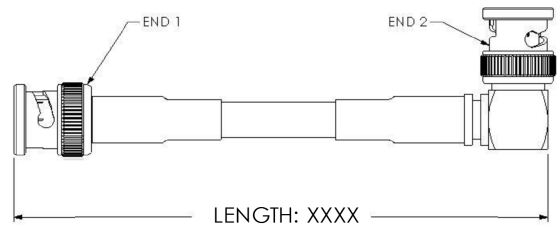
END 2 CONNECTOR OR PREPARATION
-74RP: BNC7T-P-C-XX-RA-CA6 (SEE SHEET 2)
-74SP: BNC7T-P-C-XX-ST-CA6 (SEE SHEET 2)
-D4SP: BNC7T-P-C-XX-ST-CA6D (SEE SHEET 2)
-78SP: DIN7A-PP-C-XX-ST-CA6 (SEE SHEET 3)
-79SP: MBNC7-P-C-XX-ST-CA6 (SEE SHEET 3, SEE NOTE 18)
-79RP: MBNC7-P-C-XX-RA-CA6 (SEE SHEET 3, SEE NOTE 18)
-H4SP: HDBNC-P-C-XX-ST-CA6 (SEE SHEET 2)
-SING: SINGLE ENDED (ONE END ONLY, SEE NOTE 11)
-XXXXXX: STRIPPED AND TINNED (ONE END ONLY-
SEE NOTES 11-15 & 17, SHEET 2, FIG 3)

(SEE FIG. 2) "C" FORMAT: X.X mm
(SEE FIG. 2) "B" FORMAT: X.X mm
(SEE FIG. 2) "A" FORMAT: X.X mm

DO NOT LEAVE ANY SPACE BLANK,
EACH MUST CONTAIN A
NUMERIC CHARACTER 0 THRU 9.

NOTES:

- ⊗ REPRESENTS A CRITICAL DIMENSION
- CABLE CUT LENGTH:
= (LENGTH: XXXX) - (SUBTRACTOR FOR END 1) - (SUBTRACTOR FOR END 2) + 12.0 MM*
(SEE TABLE 1 FOR SUBTRACTORS)
* = ONLY APPLICABLE IF USING A SEMI-AUTOMATED COAXIAL CABLE STRIPPER TO PROVIDE A CLEAN CUT EDGE
- ⊗ 3. ASSEMBLY TO BE 100% TESTED FOR OPENS & SHORTS
- ⊗ 4. ASSEMBLY TO BE 100% HI-POT TESTED PER TABLE 1, THE TEST VOLTAGE FOR THE ASSEMBLY SHOULD BE SET TO THE END OPTION WITH THE LOWEST TEST VOLTAGE RATING.
- AFTER FINAL ELECTRICAL TEST, LABEL EACH CABLE ASSEMBLY WITH 1 LABEL-ET
- CRITICALS ON CONNECTOR PRINTS TO BE CHECKED IN PROCESS.
- FINISHED ASSEMBLIES TO BE PACKAGED PER PACKAGING STANDARD CO-RF-WI-3040-M. LOCK WASHERS AND NUTS TO BE SHIPPED UNASSEMBLED. GASKETS TO BE INSTALLED ON CABLE.
- CABLE STOCKED IN INCHES, 1 INCH = 25.4 MILLIMETERS
- S.I. TEST DATA IS PUBLISHED FOR LENGTHS OF 300MM AND 1000MM. TESTING OF OTHER SPECIFIC LENGTHS IS BY REQUEST.
- MINIMUM BEND RADIUS FOR RG6 = 63.5 [2.75].
- FOR SING ENDED OR STRIPPED AND TINNED ASSEMBLIES: MAKE A DOUBLE ENDED ASSEMBLY AT TWICE THE CABLE LENGTH AND TEST BEFORE CUTTING ASSEMBLY IN HALF.
- DIM "A", "B", AND "C" HAVE A MINIMUM VALUE OF 0.0mm & A MAXIMUM VALUE OF 9.9mm.
- PRODUCTION OF STRIP AND TIN FOR CENTER DIELECTIC USE: A
- PRODUCTION OF STRIP AND TIN FOR SHIELD USE: D=A+B
- PRODUCTION OF STRIP AND TIN FOR JACKET USE: E=A+B+C
- CONNECTORS TO BE ORIENTED ACCORDING TO CO-RF-WI-3048-M.
- FOR STRIPPED AND TINNED OPTION, ONLY THE CENTER CONDUCTOR IS TINNED.
- AVAILABLE TO EXISTING CUSTOMERS ONLY



(SEE TABLE 2 FOR TOLERANCE)
(SEE NOTE 2 FOR CABLE CUT LENGTH)

FIG 1
RFX6T-74SPX-74RPX-XXXX SHOWN

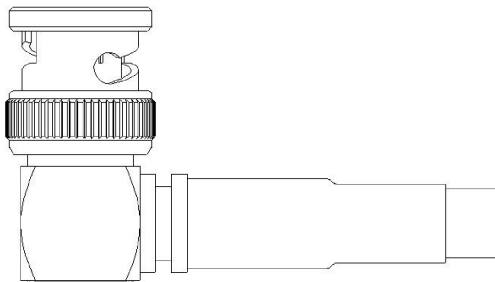
CABLE STRIPPING DIMENSIONS
PER END 1 AND END 2 ASSEMBLY PRINTS OR
STRIPPED AND TINNED (SEE NOTES 11 -15, SHEET 2, FIG3")

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS [INCHES]. TOLERANCES ARE: DECIMALS ANGLES .X: ±0.3 [0.1] 2° .XX: ±0.13 [0.05] .XXX: ±0.051 [0.020]	PROPRIETARY NOTE THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.	THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING	
		520 PARK EAST BLVD., NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail: info@SAMTEC.com code 55322	
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1 SEE END 1 AND END 2 ASSEMBLY PRINTS		DESCRIPTION: TRUE 75 OHM, RF6T CABLE ASSEMBLY	
		DWG. NO. RFX6T-XXXXX-XXXXX-XXXX	
		BY: R MUSSER 03/27/2009	SHEET 1 OF 3

-74RP
(RIGHT ANGLE PLUG)

(USE DRAWING No. BNC7T-P-C-XX-RA-CA6 FOR ASSEMBLY INSTRUCTIONS)

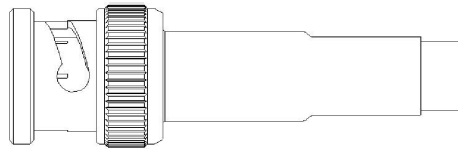


PLATING
3: 10µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: BNC7T-P-C-GN-RA-CA6)

NOTE: ALL CRITICAL DIMENSIONS ON BNC7T-P-C-XX-RA-CA6 THAT APPLY MUST BE VERIFIED.

-74SP
(STRAIGHT PLUG)

(USE DRAWING No. BNC7T-P-C-XX-ST-CA6 FOR ASSEMBLY INSTRUCTIONS)

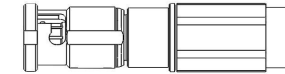


PLATING
3: 10µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: BNC7T-P-C-GN-ST-CA6)

NOTE: ALL CRITICAL DIMENSIONS ON BNC7T-P-C-XX-ST-CA6 THAT APPLY MUST BE VERIFIED.

-H4SP
(STRAIGHT PLUG)

(USE DRAWING No. HDBNC-P-C-XX-ST-CA6 FOR ASSEMBLY INSTRUCTIONS)



PLATING
2: 30µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: HDBNC-P-C-HN-ST-CA6)

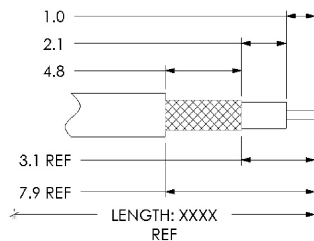
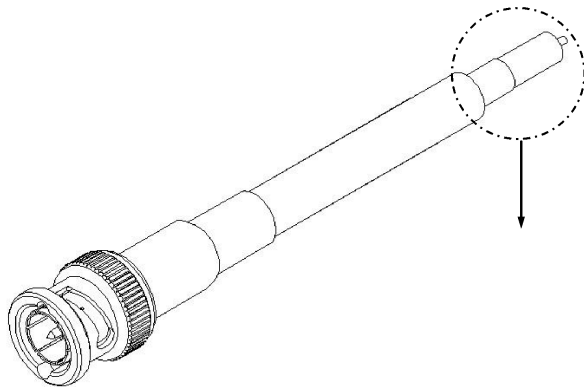
3: 10µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: HDBNC-P-C-GN-ST-CA6)

4: 10µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: HDBNC-P-C-GF-ST-CA6)

8: 30µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: HDBNC-P-C-HF-ST-CA6)

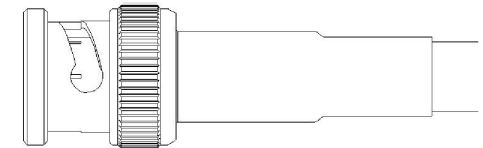
NOTE: ALL CRITICAL DIMENSIONS ON HDBNC-P-C-XX-ST-CA6 THAT APPLY MUST BE VERIFIED.

FIG 3
RFX6T-74SPX-102T48-XXXX SHOWN



-D4SP
(DIE CAST STRAIGHT PLUG)

(USE DRAWING No. BNC7T-P-C-XX-ST-CA6D FOR ASSEMBLY INSTRUCTIONS)



PLATING
3: 10µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: BNC7T-P-C-GN-ST-CA6D)

NOTE: ALL CRITICAL DIMENSIONS ON BNC7T-P-C-XX-ST-CA6D THAT APPLY MUST BE VERIFIED.

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DESCRIPTION:
TRUE 75 OHM, RF6T CABLE ASSEMBLY

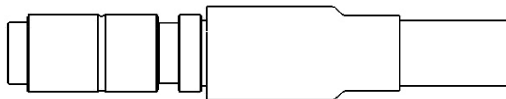
DWG. NO.
RFX6T-XXXX-XXXX-XXXX

BY: R MUSSER 03/27/2009 SHEET 2 OF 3

REVISION T

-78SP
(STRAIGHT PLUG)

(USE DRAWING No. DIN7A-PP-C-XX-ST-CA6
FOR ASSEMBLY INSTRUCTIONS)



PLATING

4: 10µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: DIN7A-PP-C-GF-ST-CA6)

5: 10µ" MIN. GOLD CENTER CONTACT
10µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: DIN7A-PP-C-GG-ST-CA6)

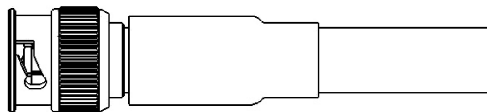
6: 30µ" MIN. GOLD CENTER CONTACT
30µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: DIN7A-PP-C-HH-ST-CA6)

NOTE: ALL CRITICAL DIMENSIONS ON DIN7A-PP-C-XX-ST-CA6
THAT APPLY MUST BE VERIFIED.

-79SP
(STRAIGHT PLUG)

(USE DRAWING No. MBNC7-P-C-XX-ST-CA6
FOR ASSEMBLY INSTRUCTIONS)

AVAILABLE TO EXISTING CUSTOMERS ONLY



PLATING

2: 30µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: MBNC7-P-C-HN-ST-CA6)

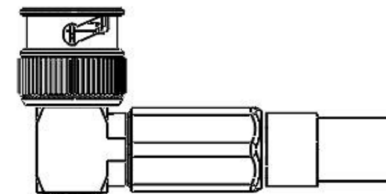
3: 10µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: MBNC7-P-C-GN-ST-CA6)

NOTE: ALL CRITICAL DIMENSIONS ON MBNC7-P-C-XX-ST-CA6
THAT APPLY MUST BE VERIFIED.

-79RP
(RIGHT ANGLE)

(USE DRAWING No. MBNC7-P-C-XX-RA-CA6
FOR ASSEMBLY INSTRUCTIONS)

AVAILABLE TO EXISTING CUSTOMERS ONLY



PLATING

2: 30µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: MBNC7-P-C-HN-RA-CA6)

3: 10µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: MBNC7-P-C-GN-RA-CA6)

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