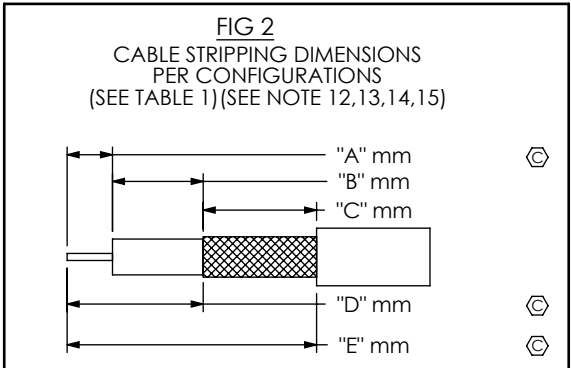


DO NOT  
SCALE FROM  
THIS PRINT



**TABLE 1**

STYLE	CABLE CUT LENGTH (SEE NOTE 2)	HI POT 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 [0.00]
0500-1100 [19.69-43.30]	+10.0 [.40]/-0.0 [0.00]
>1100 [43.30]	± 1%

CABLE CALLOUT  
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)  
-79RP: MBNC7-P-C-XX-RA-CA6 (SEE SHEET 3)  
-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)

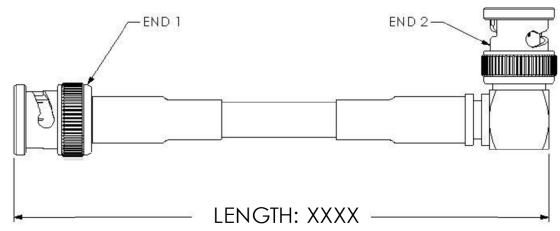
END 2 PLATING OPTION  
2. GOLD / NICKEL COMBINATION  
3. ALTERNATE GOLD / NICKEL  
4. ALTERNATE GOLD / GOLD FLASH / NICKEL  
5. ALTERNATE GOLD / GOLD / NICKEL  
6. ALTERNATE H GOLD / H GOLD / NICKEL  
8. ALTERNATE HEAVY GOLD / GOLD FLASH / NICKEL  
(SEE SHEET 2 AND 3 FOR PLATING SPECIFICS)  
**(LEAVE 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)  
-79RP: MBNC7-P-C-XX-RA-CA6 (SEE SHEET 3)  
-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)
  - ⊗ ASSEMBLY TO BE 100% TESTED FOR OPENS & SHORTS
  - ⊗ ASSEMBLY TO BE 100% HI-POT TESTED PER TABLE 1
  - 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-HD-WI-3048-M.
  - FOR STRIPPED AND TINNED OPTION, ONLY THE CENTER CONDUCTOR IS TINNED.



(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)"

F:\DWG\MISC\MKTG\RFX6T-XXXXX-XXXXX-XXXX-MKT.SLDDRW

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN  
MILLIMETERS [INCHES].  
TOLERANCES ARE:  
DECIMALS ANGLES  
.X: ±0.3 [.01] 2°  
.XX: ±0.13 [.005]  
.XXX: ±0.051 [.0020]

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WITH LEAD-FREE PROCESSING**



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e-Mail: info@SAMTEC.com code 55322

**MATERIAL:** DO NOT SCALE DRAWING SHEET SCALE: 2:1  
SEE END 1 AND END 2 ASSEMBLY PRINTS

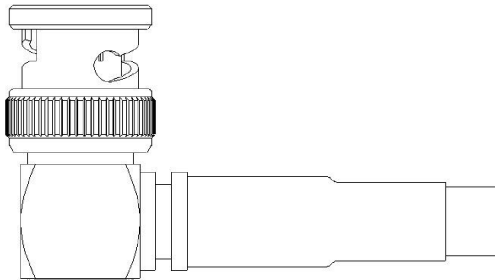
DESCRIPTION:  
TRUE 75 OHM, RF6T CABLE ASSEMBLY

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)

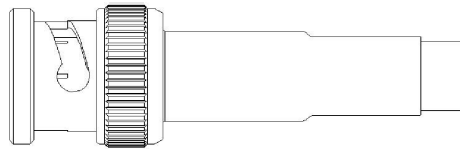


**PLATING**  
3: 10µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: BNC7T-P-C-GN-RA-CA6)

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)

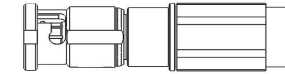


**PLATING**  
3: 10µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: BNC7T-P-C-GN-ST-CA6)

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)

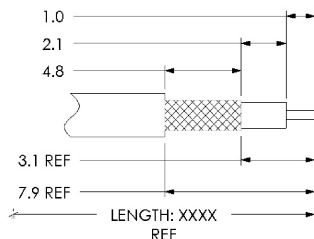
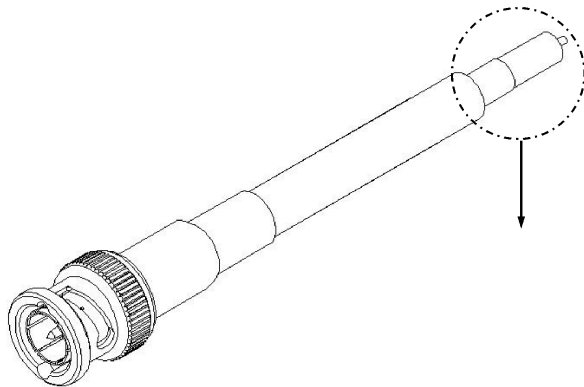
3: 10µ" MIN. GOLD CENTER CONTACT  
100µ" MIN. NICKEL OUTER CONTACT  
100µ" MIN. NICKEL REMAINING METAL PARTS  
(END CONNECTOR P/N: HDBNC-P-C-GN-ST-CA6)

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)

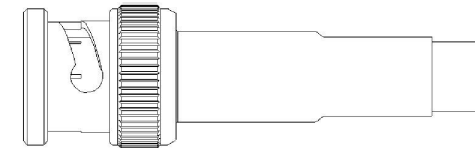
NOTE: ALL CRITICAL DIMENSIONS ON HDBNC-P-C-XX-ST-CA6  
THAT APPLY MUST BE VERIFIED.

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.

F:\DWG\MISC\MKTG\RFX6T-XXXX-XXXX-XXXX-MKT.SLDRW

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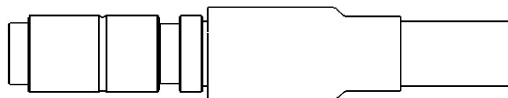
DESCRIPTION:  
TRUE 75 OHM, RF6T CABLE ASSEMBLY

DWG. NO.  
RFX6T-XXXX-XXXX-XXXX

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

**-78SP**  
(STRAIGHT PLUG)

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



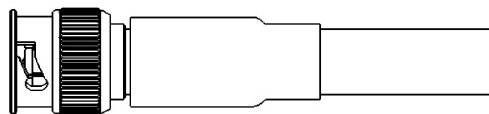
**PLATING**

- 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)



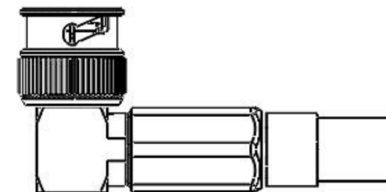
**PLATING**

- 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)



**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)

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

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DESCRIPTION:  
TRUE 75 OHM, RF6T CABLE ASSEMBLY

DWG. NO.  
RFX6T-XXXXX-XXXXXX-XXXX

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