

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ DC - 18 GHz

VSWR

DC - 4 GHz _____ 1.05:1
 4 - 8 GHz _____ 1.10:1
 8 - 12.4 GHz _____ 1.15:1
 12.4 - 18 GHz _____ 1.20:1

IMPEDANCE _____ 50 OHMS

TEMPERATURE RANGE (°C) _____ -55 TO +125

POWER (AVG) _____ 2 WATTS
 POWER DERATES LINEARLY FROM +45°C TO <10% @ +125°C

POWER (PEAK) _____ 500 WATTS
 (<5 μ SEC PW, <1% DUTY CYCLE)

MECHANICAL

INNER CONDUCTOR _____ BERYLLIUM COPPER PER
 ASTM B196 & B197.

OUTER CONDUCTOR _____ STEEL, CORROSION RESISTANT PER
 ASTM A484 & A582, CLASS 303, COND. A.

DIELECTRIC _____ TEFLON PER ASTM D1710.

FINISH

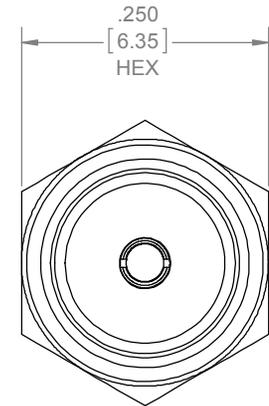
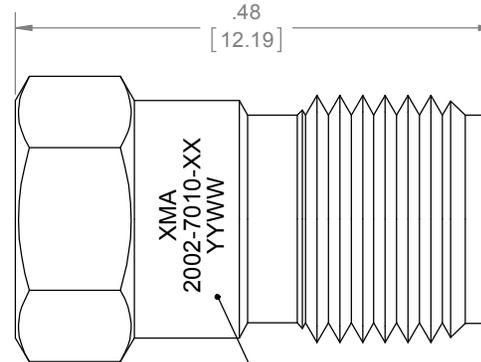
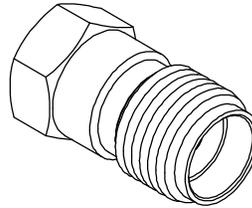
INNER CONDUCTOR _____ GOLD PLATED PER MIL-PRF-39012.

HOUSING FINISH PER SUFFIX (REPLACING -XX IN P/N)
 -00 OUTER CONDUCTOR/NUT GOLD PLATED
 -02 OUTER CONDUCTOR/NUT PASSIVATED SS

CONNECTOR INTERFACE COMPLIES WITH MIL-PRF-39012 AND MIL-STD-348
 FOR SMA MATING CHARACTERISTICS.

MARKING

PART LOOKS LIKE PRODUCT IMAGE ABOVE.
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.
 MARKING TO BE AS LARGE AS POSSIBLE, CLEAR AND READABLE.
 YYWW EQUALS DATE CODE.



REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
B	ADDED MARKING; OMMITED CHAINED VIEW	14-314	9/4/14	T.KUHN

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2002-7010-XX	TERMINATION, SMA-F, DC-18GHz, 2W	
1	TA-2002-7010-XXU	ASSY, TERMINATION, SMA-F, DC-18GHz, 2W, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING	
SURFACE ROUGHNESS μINCHES	63
FINISH:	
SEE NOTES	
MATERIAL:	
SEE NOTES	
NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.	
INTERPRET IAW ANSI Y14.5-1982	

UNLESS OTHERWISE SPECIFIED TOLERANCES IN:	
DECIMALS	INCH (MM)
.X"	.05" [1.27]
.XX"	.03" [.76]
.XXX"	.010" [.25]
ANGLES ±0°30'	
REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.	
DO NOT SCALE PRINT	

DRAWN	DATE
MCCORMICK	9/4/14
CHECKED	DATE
MCCORMICK	9/4/14
ENG. APPR.	DATE
T.KUHN	9/4/14
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TITLE

TERMINATION, SMA-F, DC-18GHz, 2W

SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	2002-7010-XX	B
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	