

**ELECTRICAL SPECIFICATIONS**

FREQUENCY RANGE \_\_\_\_\_ DC - 6 GHz

VSWR: DC - 4 GHz \_\_\_\_\_ 1.10:1  
 4 - 6 GHz \_\_\_\_\_ 1.20:1

IMPEDANCE \_\_\_\_\_ 50 OHMS

OPERATING TEMP. RANGE \_\_\_\_\_ -65 TO +125 °C

POWER (AVG) \_\_\_\_\_ 2 WATTS\*\*

POWER (PEAK) \_\_\_\_\_ 500 WATTS

(<5 μ SEC PW, <1% DUTY CYCLE)

\*\*POWER DERATES LINEARLY FROM +25°C TO <10% @+125°C CASE

**MECHANICAL SPECIFICATIONS**

**MATERIALS**

INNER CONDUCTOR \_\_\_\_\_ GOLD PLATED BERYLLIUM COPPER

OUTER CONDUCTOR/NUT \_\_\_\_\_ NICKEL PLATED BRASS

DIELECTRIC \_\_\_\_\_ TEFLON

**PART ORDERING INFORMATION**

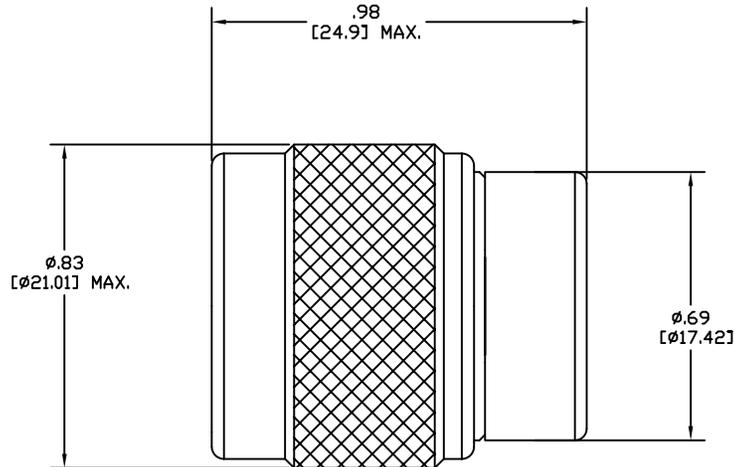
3001-6152-10 \_\_\_\_\_ DC - 2.5 GHz

3001-6156-10 \_\_\_\_\_ DC - 6 GHz

**PRODUCTION  
RELEASE**

NOTE:  
THIS DRAWING INCORPORATES  
THIRD ANGLE PROJECTION.  
INTERPRET IAW ANSI Y14.5-1988

REVISIONS		
REV	DESCRIPTION	APPROVED
A	COMBINE 6152 AND 6156	4/10/12 T. KUHN



<b>DRAWING PRACTICES PER ANSI-Y-145 INC. 1ST EDITION &amp; 1993</b>	<b>UNLESS OTHERWISE SPECIFIED TOLERANCES ON DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING</b>	<b>DRAWN D. SAUNDERS</b>	<b>DATE 01/14/2010</b>
<b>SURFACE FINISH</b>	<b>DECIMALS INCH MM</b>	<b>CHECKED</b>	<b>DATE</b>
SEE NOTES	.X" .05" [1.3]	<b>ENG T. KUHN</b>	<b>DATE 4/10/12</b>
<b>MATERIAL</b>	.XX" .030" [.76]	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP / OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED- IN WHOLE OR IN PART - AS A BASIS FOR THE DESIGN, MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP. CUSTOMERS AND VENDORS MAY COPY FOR INTERNAL REVIEW/USE AS NEEDED	
SEE NOTES	.XXX" .015 [.39]	<b>SCALE</b> 5 : 1	
	.XXXX" .0005" [.013]	<b>PLATING AREA SQUARE INCHES</b> XXX	
	ANGLES ±	<b>SHEET</b> 1 OF 1	
	UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.		

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**XMA** Powered by: **Omni Spectra®**

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**TERMINATION, DC-6GHz, 2W**

<b>SIZE</b> C	<b>CAGE CODE</b> 3HT76	<b>DWG NO.</b> 3001-615X-10
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