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## ELECTRICAL

## SPECIFICATIONS

FREQUENCY RANGE \_\_\_\_\_ SEE TABLE  
VSWR \_\_\_\_\_ SEE TABLE  
IMPEDANCE \_\_\_\_\_ 50 OHMS  
TEMPERATURE RANGE \_\_\_\_\_ -65°C TO +125°C  
POWER (AVG) \_\_\_\_\_ 1 WATT  
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: \_\_\_\_\_ STAINLESS STEEL, PER ASTM  
A484 & A582, CLASS 303, COND. A.  
DIELECTRIC: \_\_\_\_\_ TEFLON PER ASTM D1710.

## FINISH

INNER CONDUCTOR: \_\_\_\_\_ GOLD PLATED PER MIL-PRF-39012.

HOUSING/COUPLING NUT FINISH PER SUFFIX (REPLACING -0X IN P/N)  
-00 OUTER CONDUCTOR/NUT GOLD PLATED  
-02 OUTER CONDUCTOR/NUT PASSIVATED SS  
-01 OUTER CONDUCTOR GOLD PLATED, NUT PASSIVATED SS

ADD "C" TO THE END OF PART NUMBER FOR CHAINED UNITS. (EXCLUDING  
PARTS 2001-6105-0X AND 2001-6115-0X)

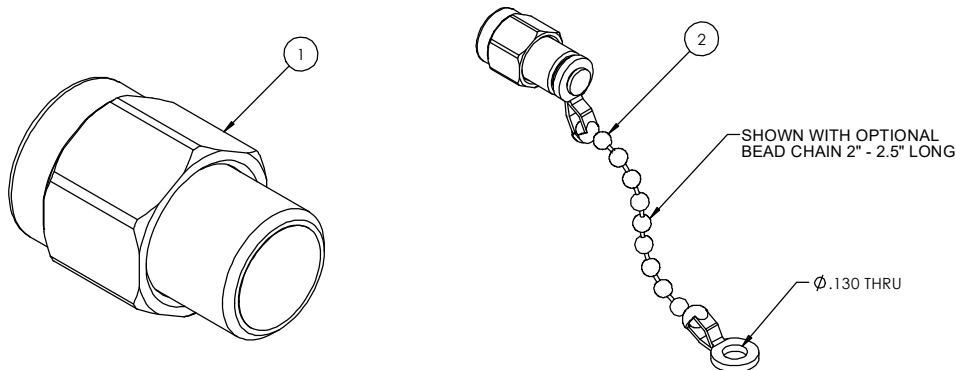
**\*\* EXCEPTION FOR THE 200X-6151-02, OUTER HOUSING IS GOLD PLATED  
AND NUT IS PASSIVATED**

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

RoHS COMPLIANT DEVICE

## 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.

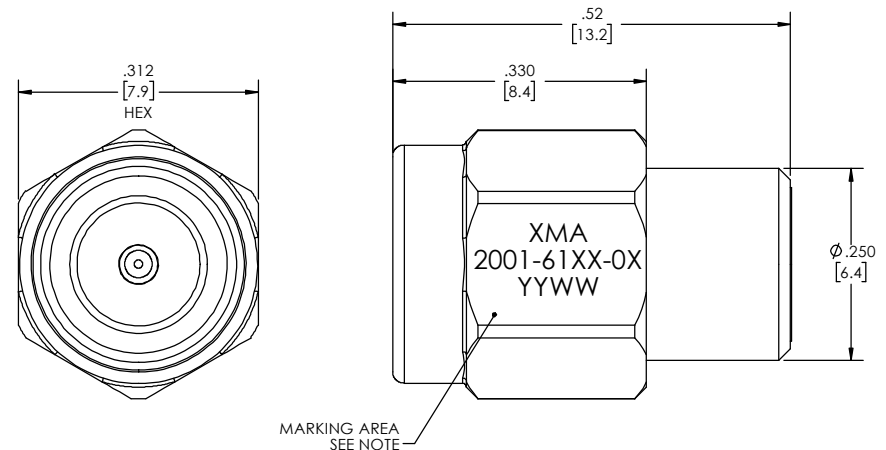


| REVISIONS |                                             |        |         |          |
|-----------|---------------------------------------------|--------|---------|----------|
| REV       | DESCRIPTION                                 | ECO #  | DATE    | APPROVED |
| L         | REVISED TITLE AND FREQ. SPEC TO "SEE TABLE" | 16-199 | 9/28/16 | T.KUHN   |
| M         | REMOVED 2001-6118-0X                        | 17-045 | 4/11/17 | T.KUHN   |
| N         | 4-12.4GHz VSWR WAS 1.05:1, 6117 AND 6117    | 18-121 | 8/13/18 | T.KUHN   |
| P         | CHANGED VSWR FOR -6117 & -6111              | 20-027 | 2/20/20 | T.KUHN   |

| FREQUENCY (GHz) | VSWR DC-4 (GHz)                     | VSWR 4-12.4 (GHz) | VSWR 12.4-18 (GHz) | VSWR 18-26.5 (GHz) | PART NUMBER    |
|-----------------|-------------------------------------|-------------------|--------------------|--------------------|----------------|
| DC-4            | DC-1 1.05:1<br>2-4 1.10:1           | -                 | -                  | -                  | 2001-6151-0X** |
| DC-12.4         | 1.05:1                              | 1.10:1            | -                  | -                  | 2001-6116-0X   |
| DC-18           | 1.05:1                              | 1.10:1            | 1.25:1             | -                  | 2001-6144-0X   |
|                 | 1.05:1                              | 1.15:1            | 1.15:1             | -                  | 2001-6105-0X * |
|                 | 1.05:1                              | 1.15:1            | 1.15:1             | -                  | 2001-6100-0X   |
|                 | 1.05:1                              | 1.15:1            | 1.20:1             | -                  | 2001-6101-0X   |
|                 | 1.05:1 +0.01 f (GHz) DC - 18GHz     |                   |                    | -                  | 2001-6143-0X   |
|                 | 1.05:1                              | 1.10:1            | 1.15:1             | -                  | 2001-6117-0X   |
|                 | 1.10:1                              | 1.10:1            | 1.15:1             | -                  | 2001-6111-0X   |
|                 | 1.05:1                              | 1.15:1            | 1.20:1             | -                  | 2001-6112-0X   |
| DC-26.5         | 1.10:1                              | 1.20:1            | 1.30:1             | -                  | 2001-6113-0X   |
|                 | 1.10:1                              | 1.20:1            | 1.30:1             | -                  | 2001-6115-0X * |
|                 | 1.05:1                              | 1.10:1            | 1.20:1             | 1.30:1             | 2001-6110-0X   |
|                 | 1.05:1 + .007f (GHz) DC TO 26.5 GHz |                   |                    |                    | 2001-6119-0X   |

\* WITH 2" TO 2.5" MONEL BEAD CHAIN

\*\* EXCEPTION FOR THE 200X-6151-02, OUTER HOUSING IS GOLD PLATED AND NUT IS PASSIVATED



| NO CHAIN | CHAIN | PART NUMBER         | DESCRIPTION                                     | ITEM NO. |
|----------|-------|---------------------|-------------------------------------------------|----------|
|          |       | 2001-61XX-0X        | TERMINATION, SMA-m                              |          |
| 1        | -     | TA-2001-6000-0XYYU  | ASSEMBLY, TERMINATION, SMA-m, UNMARKED          | 1        |
| -        | 1     | TA-2001-6000-0XYYUC | ASSEMBLY, TERMINATION, SMA-m, CHAINED, UNMARKED | 2        |

|                                                                                                                                 |    |
|---------------------------------------------------------------------------------------------------------------------------------|----|
| DRAWING PRACTICES PER ANSI Y14.5<br>UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES AND<br>APPLY BEFORE/AFTER PROCESSING | 63 |
| SURFACE<br>ROUGHNESS<br>INCHES                                                                                                  |    |
| FINISH:                                                                                                                         |    |
| SEE NOTES                                                                                                                       |    |
| MATERIAL:                                                                                                                       |    |
| NOTE:                                                                                                                           |    |
| THIS DRAWING INCORPORATES<br>THIRD ANGLE PROJECTION.                                                                            |    |
| INTERPRET IAW ANSI Y14.5-1982                                                                                                   |    |

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

|                                                                                                                                                                                                                                                                                   |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| DRAWN<br>MCCORMICK                                                                                                                                                                                                                                                                | DATE<br>2/5/15 |
| CHECKED<br>MCCORMICK                                                                                                                                                                                                                                                              | DATE<br>2/5/15 |
| ENG APPR.<br>T.KUHN                                                                                                                                                                                                                                                               | DATE<br>2/5/15 |
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|                                                                                                                                                                          |                    |  |                                |                                                                               |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--|--------------------------------|-------------------------------------------------------------------------------|----------|
| <div>UNREVISED</div> <div><div>division of<br/>Omni Spectra<sup>®</sup></div></div> |                    |  |                                | Phone: 603-222-2256 Fax: 603-222-2259<br>150 Dow Street, Manchester, NH 03101 |          |
| TITLE                                                                                                                                                                    |                    |  |                                |                                                                               |          |
| TERMINATION, SMA-m, DC-26.5 GHz                                                                                                                                          |                    |  |                                |                                                                               |          |
| SIZE<br>C                                                                                                                                                                | CAGE CODE<br>3HT76 |  | DRAWING NUMBER<br>2001-61XX-0X |                                                                               | REV<br>P |
| SCALE                                                                                                                                                                    |                    |  | SHEET 1 of 1                   |                                                                               |          |

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TEMPLATE REV A