

**ELECTRICAL SPECIFICATIONS**

FREQUENCY \_\_\_\_\_ 1 GHz - 18GHz

INSERTION LOSS  
 1 - 8 GHz \_\_\_\_\_ 0.50dB MAX  
 8 - 12.4 GHz \_\_\_\_\_ 0.70dB MAX  
 12.4 - 18 GHz \_\_\_\_\_ 1.00dB MAX

VSWR  
 1 - 12.4 GHz \_\_\_\_\_ 1.40:1 MAX  
 12.4 - 18 GHz \_\_\_\_\_ 1.55:1 MAX

VOLTAGE RATING \_\_\_\_\_ 300 VOLTS (INNER/OUTER)

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

OPERATING TEMPERATURE RANGE \_\_\_\_\_ -65°C TO +125°C

**MECHANICAL**

CENTER CONTACT \_\_\_\_\_ BERY COPPER ALLOY C17200  
 OR C17300 IAW ASTM B196/B197  
 GOLD PLATED PER MIL-PRF-39012 (ASTM-B488)

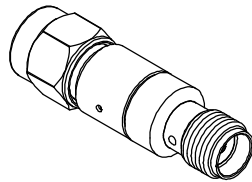
CONNECTOR BODY  
 AND COUPLING NUT \_\_\_\_\_ STAINLESS STEEL IAW A582,  
 TYPE 303, PASSIVATED PER QQ-P-35

CONNECTOR MATERIALS, FINISHES AND MATING INTERFACE  
 DIMENSIONS COMPLY WITH MIL-PRF-39102 AND MIL-STD-348

SEE SSS-9999-0001-00

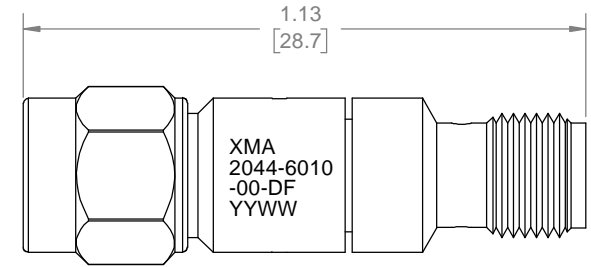
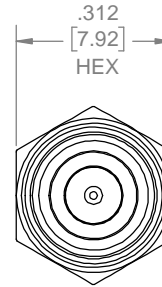
**MARKING**

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.



This unit will use raw materials that are in accordance with  
 DFAR Clause 252.225-7014, "Preference For Domestic  
 Specialty Metals, Alt. 1" Metals must have been melted in the  
 United States, its outlying areas, or a qualifying country listed  
 in DFARS 225.872-1.

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	RELEASE	13-303	12/12/13	T.KUHN
A	UPDATED NEW TITLEBLOCK	15-053	3/4/15	T.KUHN
B	ADDED SSS REQUIREMENT	21-037	3/16/21	JIM W



QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2044-6010-00-DF	DC BLOCK, SMA-m/f, 1-18 GHz, 20W	
1	TA-2044-6010-00-DFU	ASSY, DC BLOCK, SMA-m/f, 1-18 GHz, 20W, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5  
 MIL-STD-100 & 1000

DIMENSIONS ARE IN INCHES AND  
 APPLY BEFORE / AFTER PROCESSING

SURFACE  
 ROUGHNESS 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  
 V.SHELBY 12/12/15

CHECKED DATE  
 MCCORMICK 12/12/13

ENG. APPR. DATE  
 T.TUHN 12/12/13

Phone: 603-222-2256 Fax: 603-222-2259  
 7 Perimeter Road, Manchester, NH 03103

TITLE  
**DC BLOCK, SMA-m/f, 1-18 GHz, 20W**

SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2044-6010-00-DF	REV B
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	

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