

**PRODUCTION
RELEASE**

NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION
INTERPRET IN ACCORDANCE WITH
ANSI Y14.5-1992

REVISIONS		APPROVED
REV	DESCRIPTION	
-	RELEASED	8/26/10 A. Gagne

SPECIFICATIONS

ELECTRICAL

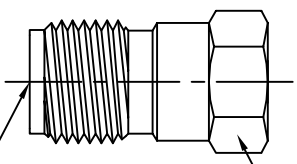
FREQUENCY RANGE	DC TO 18 GHz	
VSWR (MAX)	DC-4 GHz	1.05
	4-12.4 GHz	1.15
	12.4-18 GHz	1.15

POWER (AVG.) (PEAK)	1 WATT*
	500 WATTS**
* POWER DERATES LINEARLY FROM 100% @ 25°C TO 10% @ 125°C	
** @ 5 μSec PULSE W, & 0.05% DUTY CYCLE	

IMPEDANCE 50 OHMS

TEMP RANGE (OPERATING)	-65 TO +125°C
	(STORAGE) -65 TO +150°C

GENERAL REQUIREMENTS, MATERIALS AND PLATING WILL COMPLY WITH MIL-DTL-39090 FOR DUMMY LOADS



SMA JACK
PER MIL-STD-348
AND MIL-PRF-39012
FOR SMA CONNECTORS

.250 HEX

- MATERIALS:
 - Outer Conductor -Stainless Steel Non Magnetic
ASTM A484 & A582, Class 303, COND. A.
 - Center Conductor --- Beryllium Copper per
ASTM B196 & B197 1/2 Hard.
 - Dielectric --- Teflon per ASTM D1710.
- Finish
 - Center Conductor
GOLD PLATED per ASTM-B488 AND MIL-PRF-39012
 - Outer Conductor
 - >SUFFIX: "-02" PASSIVATED per ASTM A380.
 - >SUFFIX: "-00" GOLD PLATED per ASTM-B488 AND MIL-PRF-39012

DRIVING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED TOLERANCES IN	DRAWN D. SAUNDERS	DATE 01/14/2010
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/ AFTER PROCESSING	DECIMALS INCH MM .X" .03" [.76]	CHECKED	DATE
SURFACE ROUGHNESS 63 ✓	.XXX" .005 [.127] .XXXX" .0005" [.013]	ENG D. SAUNDERS	DATE 01/14/2010
FINISH SEE NOTES	ANGLES ±0°30'	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	
MATERIAL SEE NOTES	REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.	SIZE C	CAGE CODE 3HT76

SCALE 5 : 1	PLATING AREA SQUARE INCHES	DWG NO. 2002-6100-XX	SHEET 1 OF 1
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WWW.XMACorp.com Sales@XMACorp.com

XMA Powered by: **Omni Spectra®**

XMA Corp, 150 Dow St, Manchester, NH 03045 (603) 222-2256 fax 222-2259

TITLE
FEMAL SMA LOAD