

# SPECIFICATIONS

FREQ. RANGE: \_\_\_\_\_ DC TO 26.5 GHz

**VSWR(MAX):**

DC - 4 GHz \_\_\_\_\_ 1.15:1  
 4 - 12.4 GHz \_\_\_\_\_ 1.25:1  
 12.4 - 18.0 GHz \_\_\_\_\_ 1.35:1  
 18.0 - 26.5 GHz \_\_\_\_\_ 1.50:1

**AMPLITUDE ACCURACY**

0dB \_\_\_\_\_ 0 to 0.5dB  
 3-6dB \_\_\_\_\_ ±0.5dB  
 10dB \_\_\_\_\_ ±0.6dB  
 20dB \_\_\_\_\_ ±0.75dB  
 30dB \_\_\_\_\_ ±1.25dB

POWER(AVG): \_\_\_\_\_ 2 WATT @25°C  
DERATES LINEARLY TO .5W @ 125°C

IMPEDANCE \_\_\_\_\_ 50 Ohms

PEAK POWER \_\_\_\_\_ 500 WATTS MAX  
(5uSec PW, 0.10% DUTY CYCLE)

OPERATING TEMP \_\_\_\_\_ 4° KELVIN TO +125°C  
 150° C STORAGE

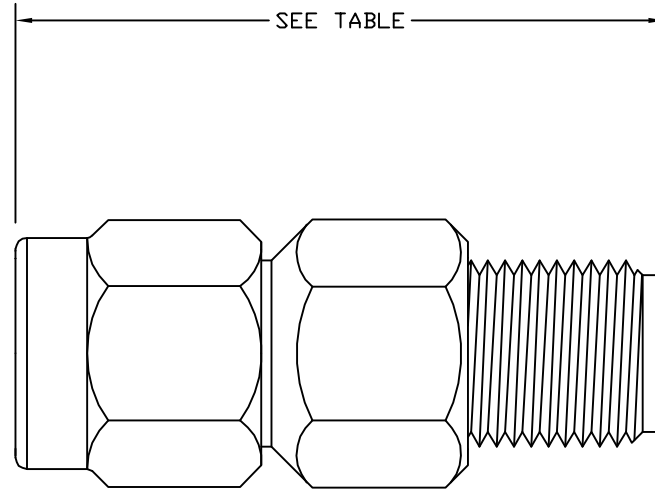
**MECHANICAL:**

**CONNECTOR MATERIALS/FINISH**

OUTER CONDUCTORS: PASSIVATED STAINLESS STEEL  
 CENTER CONDUCTOR: GOLD PLATED BERYLLIUM COPPER  
 DIELECTRIC: TEFLON®

MEETS ENVIRONMENTAL REQUIREMENTS OF MIL-DTL-3933/21  
 CONNECTORS COMPLY WITH MIL-STD-348 FOR MATING OF SMA CONNECTORS

REVISIONS				
REV	DESCRIPTION	ECD #	DATE	APPROVED
B	ADDED 30 dB AMPLITUDE ACCURACY	13-141	7/15/13	T. KUHN
C	CHG OPERATING TEMP TO 4° KELVIN	13-261	10/24/13	T. KUHN



LENGTH TABLE	
dB VALUE	LENGTH
0 - 12	0.86"
13 - 30	1.02"

<small>DRAWING PRACTICES PER ANSI-Y14.5                  M2-42.9-001 © 2000</small> DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING SURFACE FINISH 63 ✓ FINISH SEE NOTES MATERIAL SEE NOTES THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION INTERPRET IAW ANSI Y14.3-1998	UNLESS OTHERWISE SPECIFIED TOLERANCES IN DECIMALS INCH DIMS	DRAWN V. SHELBY 3/28/13 CHECKED T. KUHN 3/28/13 ENG APPR. T. KUHN 3/28/13	DATE 3/28/13 DATE 3/28/13 DATE 3/28/13	
	.X" .03" [.76] .XX" .010" [.25] .XXX" .005 [.127] .XXXX" .0005" [.013]	ANGLE ±0°30' REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED. DIAS CONCENTRIC < .003 TLR.	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. OR OMNISPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS A BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP.	
	DO NOT SCALE PRINT	SIZE C CAGE CODE 3HT76 SCALE 8:1	DRAWING NUMBER 2782-6051-dB-CRYO SHEET 1 OF 1	REV C
	XMA Omni Spectra Phone 603-222-2256 Fax 603-222-2259 150 Dow Street, Manchester, NH 03101		ATTENUATOR, SMA, 26.5 GHz	

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