

# SPECIFICATIONS

PRODUCTION  
RELEASE

NOTE:  
THIS DRAWING INCORPORATES  
THIRD ANGLE PROJECTION  
INTERPRET IN ACC. WITH 1545-1992

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
C	REVISED DWG TO C SIZE SHT, UPDATED FORMAT	09/09/10	D.S.S

## ELECTRICAL

FREQUENCY RANGE \_\_\_\_\_ DC TO 18 GHz

ATTENUATION \_\_\_\_\_ 0-6 dB \_\_\_\_\_ ±0.3 dB  
 \_\_\_\_\_ 7-12 dB \_\_\_\_\_ ±0.5 dB  
 \_\_\_\_\_ 13-30 dB \_\_\_\_\_ ±0.7 dB  
 \_\_\_\_\_ 21-40 dB \_\_\_\_\_ ±1.0 dB

VSWR (MAX) \_\_\_\_\_ DC-4 GHz \_\_\_\_\_ 1.15  
 \_\_\_\_\_ 4-12.4 GHz \_\_\_\_\_ 1.25  
 \_\_\_\_\_ 12.4-18 GHz \_\_\_\_\_ 1.35

POWER \_\_\_\_\_ 2 WATTS (AVG)  
 \_\_\_\_\_ 500 WATTS  
 (PEAK) 5μ S PULSE W, 0.05% DUTY CYCLE

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

## MECHANICAL

OPERATING TEMP RANGE -65 TO +125°

WEIGHT MAX. \_\_\_\_\_ 1.34oz.

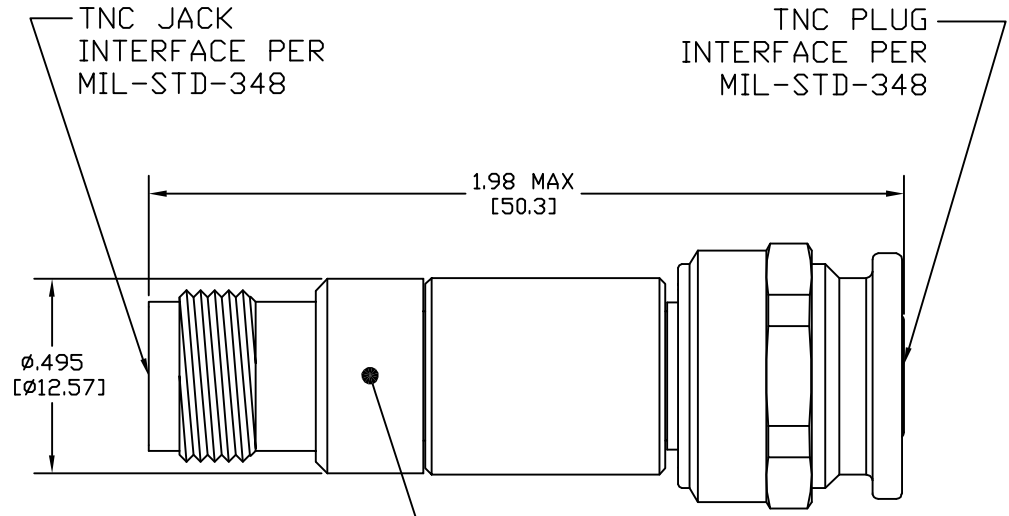
## MATERIAL

OUTER CONDUCTOR: STAINLESS STEEL NON MAGNETIC,  
 PASSIVATED FINISH.

CENTER CONDUCTOR: BERYLLIUM COPPER, GOLD PLATED.

DIELECTRIC: TEFLON.

MATERIALS & FINISHES TYPICALLY PER MIL-PRF-39012



MARKING:  
 OMNI SPECTRA OR XMA  
 3782-6001-DB

DRAWING PRACTICES PER ANSI Y14.5 MIL-STD-100 & 100D		UNLESS OTHERWISE SPECIFIED TOLERANCES IN		DRAWN T. MAIN 07/28/2010	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING		DECIMALS	INCH	MM	CHECKED
SURFACE ROUGHNESS		.XX	.03	[.76]	DATE
63 ✓		.XXX	.010	[.25]	ENG. D. SAUNDERS 07/28/2010
FINISH SEE NOTES		.XXXX	.005	[.127]	DATE
MATERIAL SEE NOTES		.XXXXX	.0005	[.013]	DATE
		ANGLES ±0°30'		THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. AND SHALL NOT BE REPRODUCED, COPIED, USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS) WITHOUT WRITTEN PERMISSION.	
		REMOVE ALL BURRS/SHARP W/ BREAK I/R OF .003" TO .005" UNLESS OTHERWISE NOTED. DIAS CONCENTRIC <.003 T.I.R.		SIZE c 3HT76	

UNLESS OTHERWISE SPECIFIED TOLERANCES IN		DRAWN T. MAIN 07/28/2010	
DECIMALS	INCH	MM	CHECKED
.XX	.03	[.76]	DATE
.XXX	.010	[.25]	ENG. D. SAUNDERS 07/28/2010
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DRAWN T. MAIN 07/28/2010		DATE	
CHECKED		DATE	
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TITLE  
**TYPE A TNC FIXED  
 COAXIAL ATTENUATOR**

SCALE 4:1 SHEET 1 OF 1