

NOTES:

## I. MATERIALS AND FINISHES:

- |              |   |
|--------------|---|
| MCX BODY     | - BRASS, GOLD PLATED (.000010" MIN.) OVER NICKEL            |
| AFI BODY     | - BERYLLIUM COPPER, GOLD PLATED (.000030" MIN.) OVER NICKEL |
| ADAPTER BODY | - STAINLESS STEEL, PASSIVATED                               |
| CONTACTS     | - BERYLLIUM COPPER, GOLD PLATED (.000030" MIN.) OVER NICKEL |
| INSULATOR    | - PTFE  |

## 2. ELECTRICAL:

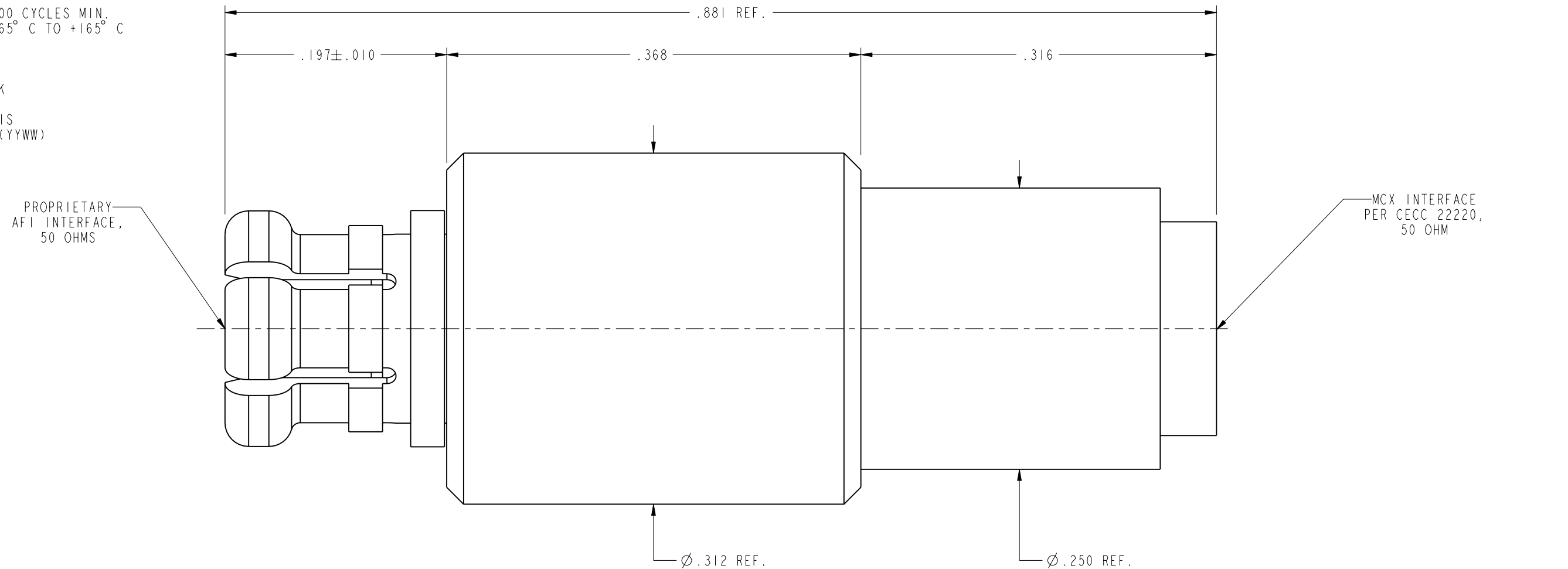
- A. IMPEDANCE: 50 OHM  
B. FREQUENCY RANGE: DC TO 6.0 GHz  
C. VSWR(RETURN LOSS): 1.100 (-26.4 dB) FROM DC-1.0 GHz  
1.200 (-20.8 dB) FROM 1.0-3.0 GHz  
1.300 (-17.7 dB) FROM 3.0-6.0 GHz  
D. D.W.V.: 500 VRMS, MIN.

### 3. MECHANICAL:

- A. DURABILITY: 100 CYCLES MIN.  
B. TEMPERATURE RANGE:  $-65^{\circ}\text{C}$  TO  $+165^{\circ}\text{C}$

4. PACKAGING:

- A. QUANTITY: SINGLE PACK  
B. MARKING: AMPHENOL  
920-146A-51S  
DATE CODE (YYWW)



## CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 2 PLACE DECIMAL      3 PLACE DECIMAL      ANGLES $\pm .015$ (0,381 mm) $\pm .005$ (0,127 mm) $\pm 1^\circ$  NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol Corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. The furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights or permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.	MATERIAL   REFERENCE 615X-1942-100  EAR# 837 GEN# ASSYF22_AFI	DRAWN B.C. GLEISSNER	DATE 03-Dec-03	TITLE  AFI-50 TO MCX-50, MALE-FEMALE ADAPTER			Amphenol RF Danbury, CT, USA Tainan, Taiwan Shenzhen, China <a href="http://www.amphenolrf.com">www.amphenolrf.com</a>		
		ENGINEER B.C. GLEISSNER	DATE 13-Jun-03				SCALE: 10.0:1    SHEET    2 OF 2		
		APPROVED O. BARTHELMES	DATE 12/12/03				CODE ID    DWG SIZE    DRAWING NO.    REV 1:\AFI\920-146A-51S    74868    B    920-146A-51S    A		
		CAD FILE 1:\AFI\920-146A-51S							