920-146A-5IS	REVISIONS				
DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
THIRD ANGLE PROJ.	A	RELEASE TO MFG.	12/12/03	44729	BCG

NOTES:

1. 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:

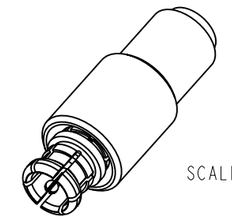
A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: DC TO 6.0 GHz
C. VSWR(RETURN LOSS): 1.100 (-26.4 dB) FROM DC-1.0 GHz
1.200 (-20.8 dB) FROM 1.0-3.0 GHz
1.300 (-17.7 dB) FROM 3.0-6.0 GHz
D. D.W.V.: 500 VRMS, MIN.

3. MECHANICAL:

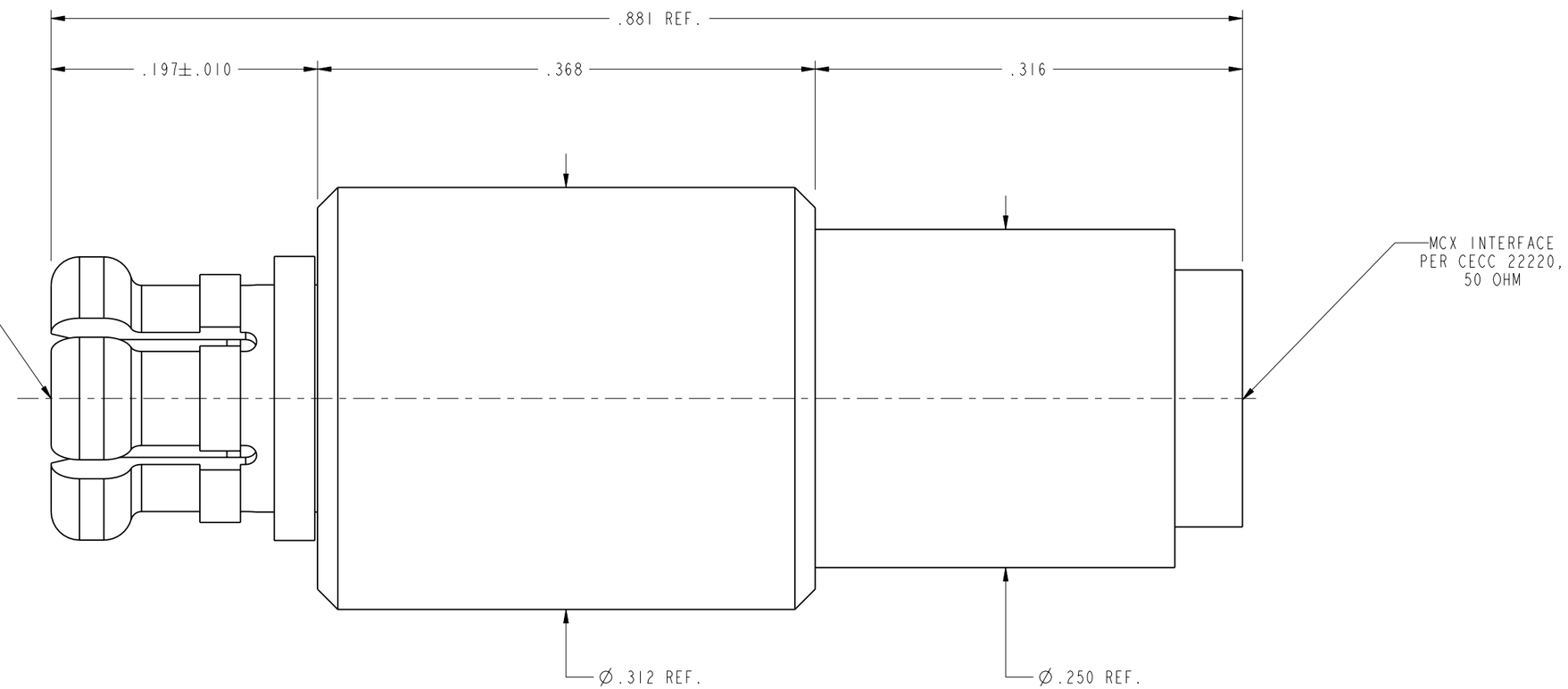
A. DURABILITY: 100 CYCLES MIN.
B. TEMPERATURE RANGE: -65° C TO +165° C

4. PACKAGING:

A. QUANTITY: SINGLE PACK
B. MARKING: AMPHENOL
920-146A-5IS
DATE CODE (YYWW)



SCALE 2.000



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
±.015 (0,381 mm)	±.005 (0,127 mm)	± 1°

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MATERIAL

REFERENCE
615X-1942-100

EAR# 837
GEN# ASSYF22_AFI

DRAWN B.C. GLEISSNER	DATE 03-Dec-03	
ENGINEER B.C. GLEISSNER	DATE 13-Jun-03	
APPROVED O. BARTHELMES	DATE 12/12/03	
CAD FILE I:\AFI\920-146A-5IS		

TITLE
AFI-50 TO MCX-50, MALE-FEMALE ADAPTER

Amphenol RF
Danbury, CT, USA
Tainan, Taiwan
Shenzhen, China
www.amphenolrf.com

CODE ID	DWG SIZE	DRAWING NO.	REV
74868	B	920-146A-5IS	A

SCALE: 10.0:1 | SHEET 2 OF 2