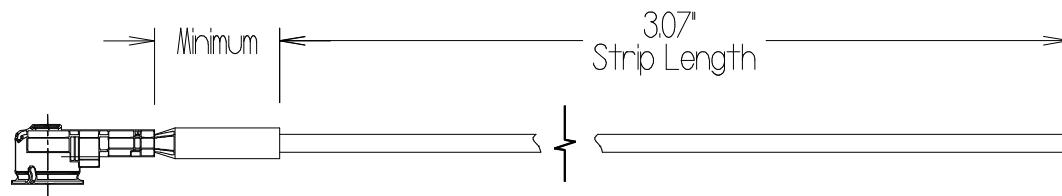


## Strip Length for KDRC Module Antenna

Amphenol RF No. A-IPA-113-300B2



Note:  
Strip outer insulation and shield only

50 Ohm, 3.07" long 1/4 wave, 916 MHz, 32 gauge insulated wire whip w/ with 113mm diameter MHF connector.

Amphenol RF No. A-IPA-113-300B2 cut to length w/3.07" shield stripped from non-connector end to produce antenna portion.

Company: Kadee Quality Products

Title: 090928 Print for MCX coax strip quote

Drawn By: MND Sect:

Date: 09/28/2009 Scale: n/a No:

Y  
X

inch

NOTES:

I. ELECTRICAL:

A. IMPEDANCE: 50Ω (NOMINAL)  
 B. FREQUENCY RANGE: 0-6 GHz  
 C. CONTACT RESISTANCE: CENTER: 20mΩ MAX.; MEASURED AT 10mA MAX. 25 mΩ MAX AFTER CYCLING  
 OUTSIDE: 10mΩ MAX. 15 mΩ MAX AFTER CYCLING  
 D. INSULATION RESISTANCE: 500mΩ MIN.; MEASURED AT 100 VDC.  
 E. WITHSTAND IN VOLTAGE: NO LINE OR INSULATION BREAKDOWN: 200 VAC FOR 1 MIN.  
 F. V.S.W.R. : 1.3 MAX. AT DC TO 3GHz, 1.4 MAX. AT 3 TO 6GHz

Ave gain -1.4 dBi  
 Peak gain 1.84 dBi

2. PHYSICAL:

A. FEMALE CONTACT HOLDING FORCE: .15N MIN. : MEASURED WITH A Ø.475MM PIN GAUGE.  
 B. DURABILITY: 30 CYCLES  
 C. TEMPERATURE RANGE: -40°C TO +90°C.  
 D. AMC CONNECTOR MATING FORCE: 15N TYPICAL  
 E. AMC CONNECTOR DEMATING FORCE: 10N TYPICAL  
 F. AMC INTERFACE IS FULLY COMPATIBLE WITH "U.FL" SERIES PRODUCT.

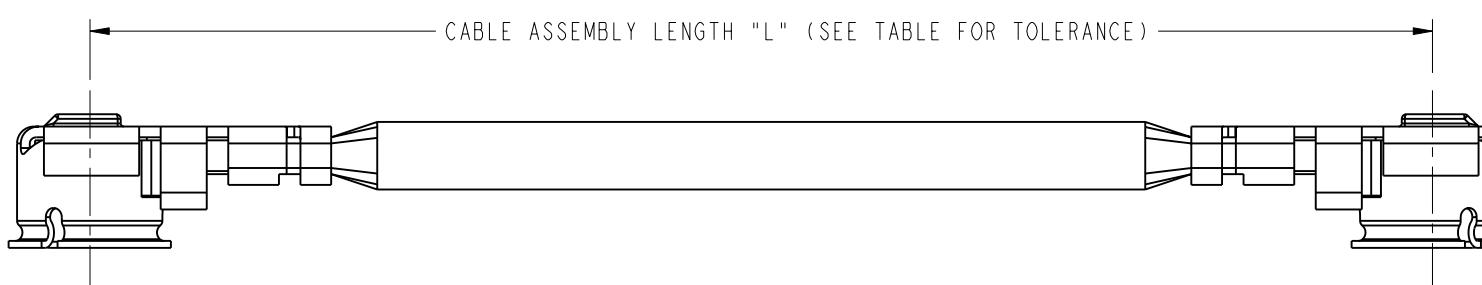
3. MATERIALS AND FINISHES:

CONNECTOR BODY: PHOSPHOR BRONZE, SILVER PLATED (.08u MIN.) OVER COPPER (1-2u)  
 CONNECTOR CENTER CONTACT: PHOSPHOR BRONZE, GOLD PLATED (0.2u MIN.) OVER NICKEL (2-3u)  
 CONNECTOR INSULATOR: PBT  
 CABLE JACKET: FEP  
 CABLE DIELECTRIC: FEP  
 CABLE CENTER CONDUCTOR: 32AWG ANNEALED COPPER WIRE STRANDED, SILVER PLATED  
 CABLE OUTER CONDUCTOR: ANNEALED COPPER WIRE BRAID, SILVER PLATED

A-IPA-113-XXXXYZ		REVISIONS				
DRAWING NO.	REV	DESCRIPTION		DATE	ECO	APPR
THIRD ANGLE PROJ.	A	RELEASE TO MFG.		2/20/03	44376	ORB
	B	A) ADDED CABLE MATERIAL & MATE/DEMATE NOTES		3/6/03	44396	ORB
	C	A) BODY PLATING WAS: GOLD PLATED OVER NICKEL B) NOTE 2D WAS: 25N TYPICAL		4/2/03	44402	BCG

CABLE ASSEMBLY OVERALL LENGTH TOLERANCE

OVERALL LENGTH L (mm)	STANDARD TOLERANCE (mm)
35 < L < 200	± 4
200 < L < 500	± 8
500 < L < 1000	± 12
1000 < L	± 1.5 %



A - I P A - 1 1 3 - X X X Y Z

SERIES NAME (A=AMC)

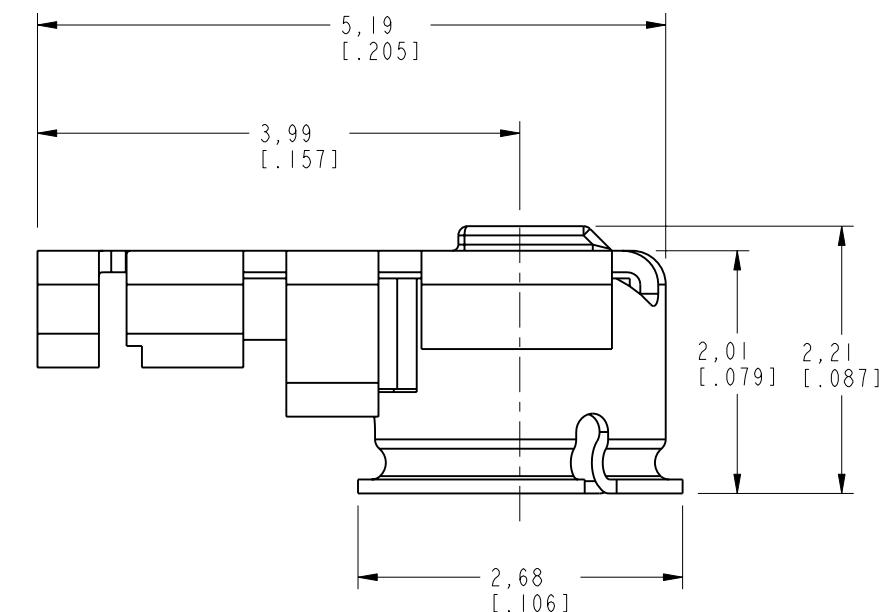
AMC RIGHT ANGLE PLUG

CABLE DIAMETER IN mm (113 = 1.13 mm)

NO. OF TERMINATED ENDS (1 OR 2)

CABLE COLOR: G=GRAY  
B=BLACK  
W=WHITE

CABLE ASSEMBLY LENGTH IN mm  
(SHORTEST LENGTH IS 35mm)



AMC RIGHT ANGLE PLUG

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	DRAWN G. ANTONINI 29-Jan-03	DATE	TITLE	Amphenol	
				Amphenol Corporation	Communication and Network Products Division Danbury, CT U.S.A. 06810
REFERENCE	ENGINEER G. ANTONINI 29-Jan-03		RIGHT ANGLE PLUG JUMPER		SCALE: 8.0:1 SHEET 1 OF 1
	APPROVED O. BARTHELME	2/20/03			REV C
	CAD FILE I:\AMC\A-IPA-113-XXXXYZ		CODE ID 74868	DWG SIZE B	DRAWING NO. A-IPA-113-XXXXYZ