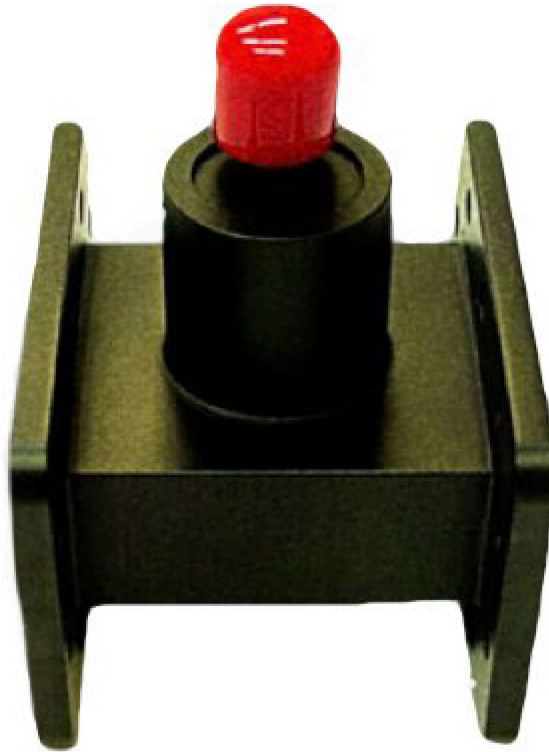


# LOOP Style Couplers



## Loop Style Coupler Description

- 1.70 - 15.00 GHz Frequency
- Standard VSWR 1.10
- 20% Operational Band Width
- Standard Material Copper or Aluminum Waveguide (6061)

Quality waveguides in a flash! Our waveguide loop couplers are manufactured to meet our customer's specifications.

All components are produced with the highest quality available. We insure our quality through a ISO9001 / AS9100 certified quality system.

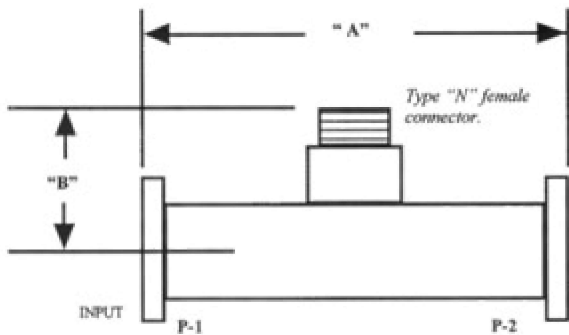
All parts are painted flat black and the flanges are polished, unplated and iridated.

## WAVEGUIDE FLANGES:

**A = AMC QUICK DISCONNECT (MALE) PATENT PROTECTED**

**B = AMC QUICK DISCONNECT (FEMALE) PATENT PROTECTED**

<b>C</b> = MODIFIED CPR STYLE - GROOVE ONLY, NO CONTACTS (ALL CLEAR HOLES)
<b>D</b> = MODIFIED CPR STYLE - GROOVE ONLY, NO CONTACTS (ALL TAP HOLES)
<b>E</b> = CPR STYLE FLAT (ALL TAP HOLES)
<b>F</b> = CPR STYLE FLAT (CLEAR HOLES)
<b>G</b> = CPR STYLE CONTACT GROOVED (CLEAR HOLES)
<b>H</b> = CPR STYLE CONTACT GROOVED (ALL TAP HOLES)
<b>I</b> = CMR (CLEAR HOLES)
<b>J</b> = CMR (ALT/ TAP,/CLEAR HOLES)
<b>K</b> = CMR (ALL TAP HOLES)
<b>L</b> = UG COVER (CLEAR HOLES)
<b>M</b> = UG COVER (ALL TAP HOLES)
<b>N</b> = UG COVER GROOVED (ALL CLEAR HOLES)
<b>O</b> = UG CHOKE (CLEAR HOLES)
<b>P</b> = UG CHOKE (ALL TAP HOLES)
<b>Q</b> = UG COVER GROOVED (ALL TAP HOLES)
<b>R</b> = UBR
<b>S</b> = PBR
<b>T</b> = CBR
<b>U</b> = UDR
<b>V</b> = PDR
<b>W</b> = CDR
<b>X</b> = SPECIAL FLANGES (CUSTOMER TO SPECIFY)



WR SIZE	FREQ: GHZ	DIM. A	DIM. B
75	10.0 - 15.0	3	1.7

90	8.20 - 12.4	3	1.72
112	7.05 - 10.0	3	1.78
137	5.85 - 8.20	4	1.84
159	4.90 - 7.05	4	1.92
187	3.95 - 5.85	6	1.98
229	3.30 - 4.90	6	2.1
284	2.60 - 3.95	6	2.25
430	1.70 - 2.60	6	2.55

**Note:** All LC models are made of brass or aluminum and include an iridite/corrosion protection treatment. Flanges are unplated, iridited and polished. Finish is flat black. For other plating finishes, material or paint color requirements, please specify.

### SAMPLE P/N: AMC-LC137-F/F-N-40B

MODEL No.	WAVEGUIDE SIZE	FLANGE TYPE P1 + P2	CONNECTOR Type	COUPLING VALUE dB	MATERIAL A=Aluminum B=Brass
AMC-LC	137	-F/F-	N	40	B

The above part number describes the following item: WR137 loop coupler, with CPRF flanges on primary arm and a type "N" coax. connector. 40dB couplingCopper/Brass.



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