

Part Description

UBS series of waveguide loop couplers offers a new dimension in high directivity couplers. They are available over a coupling range of 30-70 dB. These couplers are engineered to perform with a minimum of waveguide length making them the smallest of any waveguide couplers available.

Ordering Data

Part number - 147 - X - X - X - X - X - X - X - X - X - X - X

Series No. _____

WG Size _____

Coupling _____

Port 1,2 Connector Style _____

Port 1,2 Connector Type _____

Flange 1 _____

Flange 1 Mounting _____

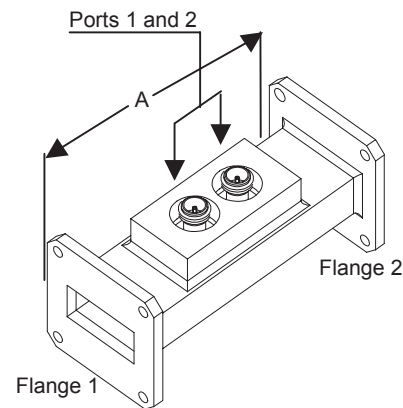
Flange 2 _____

Flange 2 Mounting _____

Bandwidth (10 or 20 %) _____

Centre Frequency _____

Hardware _____



Flange Configuration

Flange Type	C - Cover G - Groove CHOKE, CMR, CPR(F, G)
Flange Mounting Holes	T1 - Through Holes T2 - Threaded A - Alternating

Port Configuration

Connector Style	SMA, N, 2.9 mm(K), 3.5 mm, 2.4mm
Connector Type	M - Male, F - Female

Electrical Specification

VSWR - Mainline	1.05 max
Coupling	± 1dB max for 20% of WG Band
Directivity	30 dB typ. for 10% of WG Band 25 dB typ. for 20% of WG Band

Specifications

Size	Frequency GHz	Dimension (inches) A
WR90	8.20 - 12.40	2.50
WR102	7.00 - 11.00	2.50
WR112	7.05 - 10.00	2.50
WR137	5.85 - 8.20	3.50
WR159	4.09 - 7.05	3.50
WR187	3.95 - 5.85	3.50
WR229	3.30 - 4.90	5.00
WR284	2.60 - 3.95	5.00
WR340	2.20 - 3.30	-
WR430	1.70 - 2.60	5.00
WR650	1.12 - 1.70	-

Coupling

30 dB, 40 dB, 50 dB, 60 dB and 70 dB

STANDARD FINISH: is electroless corrosion protection for the metal surface, plus "Admiralty Gray" epoxy top coat. Non standard configurations and finishes (Silver, Nickel, Cadmium plating) are available upon request. Waveguide sizes up to WR-650 available. Contact our sales department with your requirements.

(specifications are subject to change without notice)