

# Dual Broadwall Directional Coupler

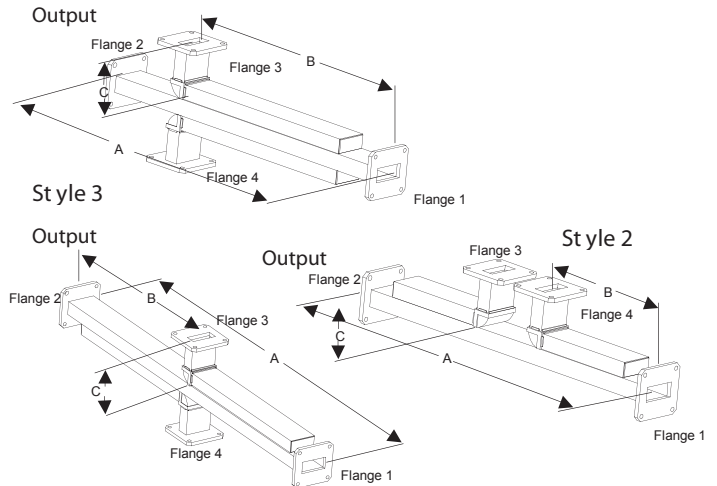
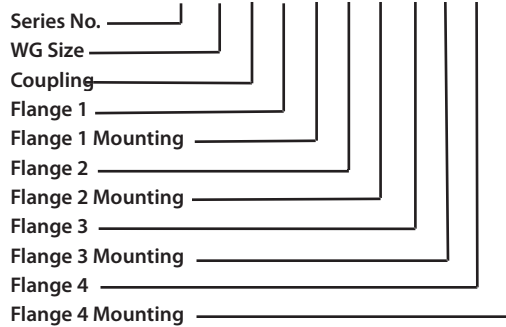
Series No: 142

## Part Description

UBS offers a standard product line of dual arm multi-hole broadwall directional couplers covering waveguide sizes from WR-28 through WR-284 and configured similar to the single arm models.

## Ordering Data

Part number - 142 - X - X - X - X - X - X - X - X - X - X



## Flange Configuration

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

## Electrical Specification

<b>VSWR</b>	1.08 max. primary line 1.12 max. secondary line
<b>Coupling</b>	± 1.0 dB mean
<b>Directivity</b>	35 dB min.

**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

Size	Frequency GHz	Dimension (inches)
		C
WR28	26.50 - 40.00	1.20
WR34	22.00 - 33.00	1.50
WR42	18.00 - 26.00	1.50
WR51	15.00 - 22.00	1.50
WR62	12.40 - 18.00	1.50
WR75	10.00 - 15.00	2.00
WR90	8.20 - 12.40	2.00
WR112	7.05 - 10.00	2.00
WR137	5.85 - 8.20	2.50
WR159	4.09 - 7.05	2.80
WR187	3.95 - 5.85	2.80
WR229	3.30 - 4.90	2.80
WR284	2.60 - 3.95	3.00

## Coupling

6, 10, 20, 30, 40 and 50 dB