

Triple Arm Cross Guide Coupler

Series No: 145T

Part Description

UBS directional crossguide couplers utilize an ultra-flat coupling technique that exhibits high power handling characteristics, while maintaining optimum electrical performance parameters.

Ordering Data

Part number - 145T - X - X - X - X - X - X - X - X - X - X - X - X - X - X

Series No.	_____
WG Size	_____
Coupling	_____
Body Style	_____
Port 1 Connector Style	_____
Port 1 Connector Type	_____
Flange 1	_____
Flange 1 Mounting	_____
Flange 2	_____
Flange 2 Mounting	_____
Flange 3	_____
Flange 3 Mounting	_____
Flange 4	_____
Flange 4 Mounting	_____
Center Frequency	_____



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 (Style 3 Only)

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

Electrical Specification

VSWR	1.08 max. primary line 1.30 max. secondary line
Coupling	±1.0dB max for 10% of WG Band
Directivity	20 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	Dimensions (inches)			
		A	B	C	D
WR28	26.50 - 40.00	3.00	1.50	3.50	0.75
WR34	22.00 - 33.00	3.00	1.50	3.50	0.75
WR42	18.00 - 26.50	3.00	1.50	3.50	0.75
WR51	15.00 - 22.00	3.00	1.50	3.50	0.75
WR62	12.40 - 18.00	3.00	1.50	3.50	0.75
WR75	10.00 - 15.00	3.00	1.50	3.80	1.00
WR90	8.20 - 12.40	3.50	1.75	3.80	1.00
WR112	7.05 - 10.00	4.00	2.00	5.20	1.25
WR137	5.85 - 8.20	4.00	2.00	4.50	2.00
WR159	4.90 - 7.05	5.00	2.50	6.00	2.25
WR187	3.95 - 5.85	5.50	2.75	6.50	2.25
WR229	3.30 - 4.90	6.00	3.00	8.00	2.50
WR284	2.60 - 3.95	7.00	3.50	10.00	3.00

Coupling

20, 30, 40, 50 and 60 dB

Note

Contact factory for connector style 2.9 mm(K), 3.5 mm and 2.4 mm.

(specifications are subject to change without notice)