

Typical Application

- SATCOM
- Radars
- Broadcast

Product Features

- 3.95 to 5.85 GHz Frequency Range
- Full Band Operation
- Exceptional Flatness
- Low Insertion Loss and VSWR
- WR-187 Waveguide with CPRG Flange
- Compact form-factor



Product Description

UBS offers a line of dual crossguide couplers to mate with all standard waveguide flanges. In addition to the popular standard flanges listed, UBS offers a more complete line of industry standard flange styles upon request. Crossguide couplers utilize an ultra-flat coupling technique that exhibits high power handling characteristics, while maintaining optimum electrical performance parameters.

Specification	
Operating Frequency	3.95 - 5.85 GHz
Insertion Loss	<0.01 dB
Forward Coupling Factor	60 dB
Reverse Coupling Factor	50 dB
Coupling Variation	±0.5 dB
Directivity	20 dB
Average Power Handling	13kW
Peak Power Handling	2.9 MW
Pressure Handling	30 psi
Input VSWR	< 1.05:1
Output VSWR	< 1.05:1
Waveguide	WR-187
Flange Type	CPRG, Through Holes
Coupled Port Connector	N-Type Female
Material	Copper/Brass
Dimensions (W x H x L)	3.5" x 8.8" x 11"