

BDC-65110-10-10

W-Band Waveguide Bi-Directional Coupler, 10dB

Model BDC-65110-10-10 is a W-band four port waveguide bi-directional coupler that provides a nominal coupling level of 10 dB and a minimum directivity of 30 dB in the full waveguide frequency band of 65 to 110 GHz. The four-port coupler uses traditional porous and block designs to achieve flat coupling levels, high directivity, and low insertion losses. The interface of the coupler is a WR-10 waveguide with UG-387/U M anti warping flange. Custom coupling levels can be provided under different models.



Features:

- Full Band Operation
- Low Insertion Loss
- High Directivity

Applications:

- Test Labs
- Instrumentation
- Sub-assemblies

Electrical Specifications:

Item	Minium	Typical	Maximum
Frequency	65GHz		110GHz
Insertion Loss*		1.0dB	
Coupling*		10dB	
Directivity*	25 dB	30dB	
VSWR			1.1:1
Operating Temperature	-40°C		85°C

Mechanical Specifications:

Item	Specification
Through Ports	WR-10 UG-387/U-M
Coupled Port	WR-10 UG-387/U-M
Material	Aluminum
Finish	Gold Plated
Weight	76g
Size	L33*W22*H20
Outline	



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Mechanical Outline:

