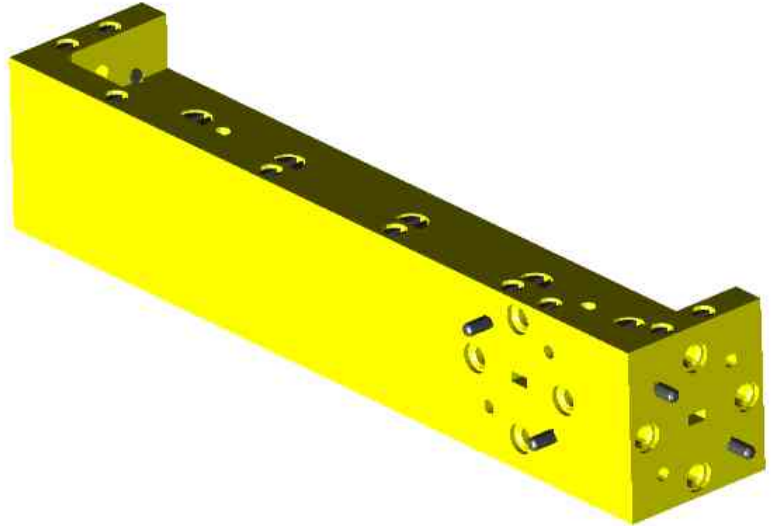


Broadband Directional Coupler

Typ. BDC-xxx-yy



Specifications:

RF-frequency range (xxx): . . . 75-325 GHz in various Waveguide Bands

Directivity: 25 – 32 dB

Insertion loss: 0.7 dB – 1.5 dB

Coupling factor (yy). 10 - 42 dB

Flange: UG387/U

Bandwidth: Full Waveguide Band

RF (xxx) in GHz	Direc- tivity	Transmission Loss (max.)	Waveguide (UG387/U)	Art. No. for Coupling Factor (yy)							
				10 dB	12 dB	15 dB	20 dB	25 dB	30 dB	42 dB	
17.5-26.5	> 32 dB	0.4 dB	WR42	on request	on request	BDC-20-15	on request	on request	on request	on request	
22-33	> 32 dB	0.5 dB	WR34	on request	on request	BDC-27-15	on request	on request	on request	on request	
26.5-40	> 32 dB	0.5 dB	WR28	BDC-35-10	on request	BDC-35-15	on request	on request	on request	on request	
40-60	> 32 dB	0.6 dB	WR19	BDC-50-10	on request	BDC-50-15	on request	on request	on request	on request	
50.5-75	> 32 dB	0.6 dB	WR15	BDC-65-10	on request	BDC-65-15	on request	on request	on request	on request	
75-110	> 32 dB	0.7 dB	WR10	BDC-100-10	BDC-100-12	BDC-100-15	BDC-100-20	BDC-100-25	BDC-100-30	BDC-100-42	
90-140	> 32 dB	0.7 dB	WR8.0	BDC-125-10	on request	BDC-125-15	on request	on request	on request	on request	
110-170	> 25 dB	1.0 dB	WR6.5	BDC-137-10	on request	BDC-137-15	on request	on request	on request	on request	
170-260	> 25 dB	1.0 dB	WR4.3	on request	on request	BDC-220-15	on request	on request	on request	on request	
220-325	> 25 dB	1.0 dB	WR3.4	BDC-300-10	on request	BDC-300-15	BDC-300-20	on request	on request	on request	

Other frequencies and coupling factors are available on request!

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All data are subject to change without notice!