

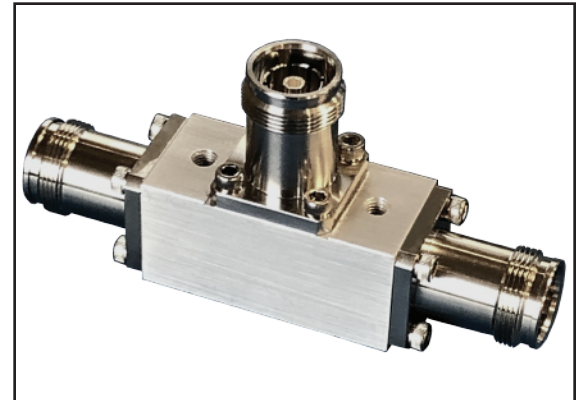
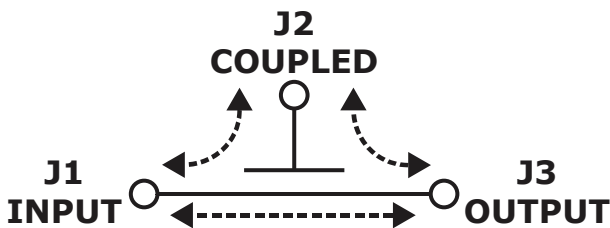
Made in USA

Common Specifications	
Frequency Range:	150 - 6000 MHz (per table)
Maximum Input Power:	300 Watts Avg., 3kW Peak, any port
Ohmic/Dissapative Insertion Loss:	0.17 dB (4.8%)
PIM:	160 dBc Min
Impedance:	50 Ohms
Connectors:	Female standard, Male available, any combination
DC Continuity:	J1 ↔ J3
Material and Finish:	Aluminum 6061, clear iridite
Enivronmental:	IP67, Approved for outdoor use
Weight:	6 Oz
Mounting:	Tapped holes-Bracket and screws supplied

NOTE: Return loss not specified for port J2

Typical Part Number		
UD6-05XXX Part Number Connector ID	Connector:	Connector ID:
	Type N	N
	7-16 DIN	D
	4.3-10.0	D43
	Nex10*	NX

*Nex10 Input Only



R&D Microwaves Unequal Power Dividers (re-active splitters) utilize a unique airline distributed capacitor construction that provides the lowest insertion loss, input return loss, high power, and exceptional low PIM performance. The UD6 series are available in 1 dB coupling value increments, with the highest values up to 20 dB, providing split ratios from 2:1 up to 100:1. The units are provided with high torque connectors that are flange mounted to the housing chasis with O-rings for sealing for a robust and reliable connection. All units achieve an IP67 environmental rating and are 100% tested to assure PIM and spec compliance with data on file.

Part Number	Coupling (dB)	Split Ratio J3:J2	Typical Path Loss (dB)** J1 ↔ J3	COUPLING (dB), J1 ↔ J2					RETURN LOSS MIN (dB) J1	
				150-617 MHz	617-960 MHz	1700-2700 MHz	3400-4200 MHz	4200-6000 MHz	DC-4200 MHz	4200-6000 MHz
UD6-05	5	2:1/3dB	1.8	N/A	6.1 ± 0.6	5.2 ± 0.6	4.6 ± 0.5	4.4 ± 0.8	17	17
UD6-06	6	3:1/4.8dB	1.3	N/A	6.7 ± 0.5	6.0 ± 0.5	6.0 ± 0.5	6.3 ± 0.5 -1.0	17	17
UD6-07	7	4:1/6dB	1.0	N/A	7.8 ± 0.5	7.1 ± 0.5	7.2 ± 0.5	7.1 ± 1.0	20	17
UD6-08	8	5.3:1/7.25dB	0.8	N/A	8.4 ± 0.5	8.0 ± 0.5	8.3 ± 0.5	8.0 ± 0.8	20	17
UD6-09	9	7.0:1/8.5dB	0.7	N/A	9.5 ± 0.5	8.9 ± 0.5	9.3 ± 0.5	9.25 ± 0.75	23	18
UD6-10	10	9.0:1/9.5dB	0.5	N/A	10.5 ± 0.5	10.0 ± 0.5	10.0 ± 0.5	9.75 ± 0.75	23	19
UD6-13	13	19:1/13dB	0.3	N/A	13.2 ± 0.5	13 ± 0.5	13.3 ± 0.5	13.45 ± 0.75	23	19
UD6-15	15	30:1/15dB	0.3	17.2 ± 2.2	15.25 ± 0.75	15.25 ± 0.75	15.25 ± 0.75	15.75 ± 0.75	24	18
UD6-17	17	50:1/17dB	0.3	19.5 ± 2.5	17.0 ± 1.0	17.0 ± 1.0	17.0 ± 1.0	17.0 ± 1.0	22	18
UD6-20	20	100:1/20dB	0.2	20.7 ± 1.5	20.0 ± 0.5	20.0 ± 0.5	20.0 ± 0.6	20.25 ± 0.75	25	18
UD6-25	25	300:1/25 dB	0.2	25 ± 1.5	25 ± 1.0	25 ± 1.0	25 ± 1.0	25 ± 1.0*	25	19
UD6-30	30	1000:1/30dB	0.2	29 ± 2.0	29 ± 2.0	29 ± 2.0	29 ± 2.0	31 ± 3.0	23	14.7
UD6-35	35	3161:1/35dB	0.2	35 ± 2.0	35 ± 2.0	35 ± 2.0	35 ± 2.0	35 ± 3.0	20	14.7
UD6-40	40	9999:1/40dB	0.2	40 ± 1.5	40 ± 1.5	40 ± 1.5	40 ± 1.5	40 ± 1.5	20	14.7

*25 ± 1.0 from 4400 MHz to 6000 MHz

**700-3800 MHz & 4200-6000 MHz



R&D Microwaves LLC, 301 Rockaway Valley Road, Boonton, NJ 07005 USA
Tel. 908.212.1696 www.rdmicrowaves.com
email: sales@rdmicrowaves.com

8/5/2026
Rev 4.0
Page 1 of 2

