

Product Specification

ADRF-DCPL-x-N-LPIM

Low PIM Directional Coupler



Electrical Specification

	ADRF-DCPL-10-N	ADRF-DCPL-6-N
Frequency Range	690 – 2700 MHz	690 – 2700 MHz
Insertion Loss	0.8 dB (Max)	1.8 dB (Max)
VSWR	1.25 : 1 (Max)	1.25 : 1 (Max)
Isolation	30 dB (Min)	20 dB (Min)
Directivity	20 dB (Min)	14 dB (Min)
Power Rating (Average)	100 W	50 W
Power Rating (Peak)	1000 W	500 W
Impedance	50 Ω	50 Ω
Operating Temperature	-40° – 185° F	-40° – 185° F
Passive Intermodulation	153 dBc @ 2 tone x 43 dBm	153 dBc @ 2 tone x 43 dBm
Coupling Value	10 dB ± 1 dB	6 dB ± 1 dB

General Specification

	ADRF-DCPL-10-N	ADRF-DCPL-6-N
Dimensions (W x H x D)	4.9 x 1.3 x 0.9 in	4.9 x 1.3 x 0.9 in
Weight	0.7 lbs	0.7 lbs
Connectors	N-Type Female (All Ports)	N-Type Female (All Ports)
Weather Resistance	NEMA4X (IP65)	NEMA4X (IP65)

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