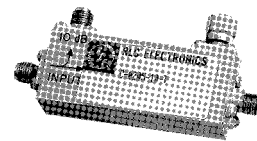


Octave and Broadband Directional Couplers



RLC Electronics' Broadband Directional Coupler provide the ultimate in flat coupling and high directivity over the 2 to 18 GHz band. These miniaturized units are ideal where stringent wide band specifications must be maintained.

Specifications

C-1-2-3

Model Number	Frequency Range (GHz)	Directivity Min (dB)	VSWR (Max)	Frequency Deviation (dB)	Loss Max. (dB)*
C-0205-	0.25-0.50	25	1.15	±0.75	0.20
C-0510-	0.50-1.00	25	1.15	±0.75	0.20
C-0912-	0.96-1.235	25	1.10	±0.25	0.15
C-1020-	1.00-2.00	20	1.15	±0.75	0.25
C-1530-	1.50-3.00	20	1.20	±0.75	0.25
C-2040-	2.00-4.00	20	1.25	±0.75	0.30
C-3060-	3.00-6.00	20	1.25	±0.75	0.35
C-4080-	4.00-8.00	18	1.35	±0.75	0.40
C-8012-	8.00-12.40	16	1.45	±0.75	0.40
C-12180-	12.40-18.00	15	1.50	±1.00	0.60
C-218-6**	2.00-18.00	15 < 12.4	1.50	±1.00	0.90
C-218-10**		12 > 12.4			0.90
C-218-16**					0.65

Coupling(Nominal): 6±0.5dB
 10±0.5dB, 20±1.0dB, 30±1.0dB
Power: 50 watts ave: C-218; 20 watts average.
 5KW peak: C-218; 3 KW peak
Impedance: 50 Ohms

Connector Type: SMA female
Temperature: -55 C to +85 C
Environment: MIL-E-5400, Class 1A
note: * Does not include coupling loss
 **Coupling referenced to output port.

To designate coupler desired use:

- (1) 0205, 0510, etc for model number
 (2) Coupling value in dB
 (3) "T" for built in 2 watt termination, U for no termination.

Example: C-2040-6-T a 6 dB coupler, 2 to 4 GHz frequency band, with internal termination



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