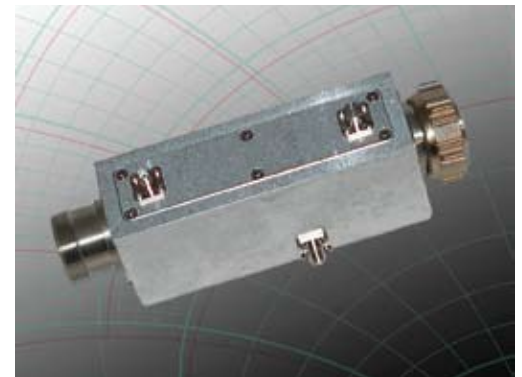


Dual Directional Couplers

C2-A52, 50db Forward, 40dB Reverse, Dual Directional Coupler PIM optimized
DUAL BAND with Power Divider TYPE 7-16 DIN

Model	C2-A52	
Frequency range	800 - 2200 MHz	
Coupling Value forward reverse	50 dB +/- 0.5 dB flatness* 2x43.5 dB +/- 0.5 dB	
Directivity Isolation for (2) reverse coupler outputs > 20 dB	TYP	MIN
	30 dB	25 dB
Insertion Loss 800 MHz 2170 MHz	TYP	MAX
	0.03 dB 0.05 dB	0.07 dB 0.1 dB
VSWR and (Return Loss) Input and Output Coupled Port	TYP	MIN
	1.07 (30 dB) 1.15 (23 dB)	1.12 (25 dB) 1.3 (17.7 dB)
Impedance	50 Ω	
Intermodulation IM3 (2 x 43 dBm carrier)	155 dBc	
Max. Power	500 W Avg, 5KW Peak	
Termination Max. Power	3 W Avg	
Connectors	female input /male output 7-16 DIN, coupled port outputs - SMA female	
Material: Housing Inner Conductor & Connectors	Aluminum, Conversion Coating Brass, Silver Plated	
DC continuity Input ↔ Output Input ↔ Coupled Port	RF and DC RF only	
Temperature range	-25 to +75 ° C	



R&D Microwaves (2) section, airline, Dual Directional Coupler covering wireless applications in the 800-2200 MHz band. Supplied with TYPE 7-16 DIN f-m connectors, this design offers RF power ratings of 500 Watts (3.0 kW peak). Insertion loss is less than 0.1 dB, RL is better than 25 dB, coupling is 50 dB forward and 2x43.5 dB reverse with directivity better than 25 dB across the each band. These couplers are ideal for antenna power monitoring applications in base station installations. Custom connectors configuration and enhanced directivity models available.

- 500 W average power
- Low VSWR and Loss
- High reliability, Low PIM
- ROHS Compliant

* flatness for CELL 824-894 MHz
and PCS 1850-1990 MHz BANDS

Made in USA.

