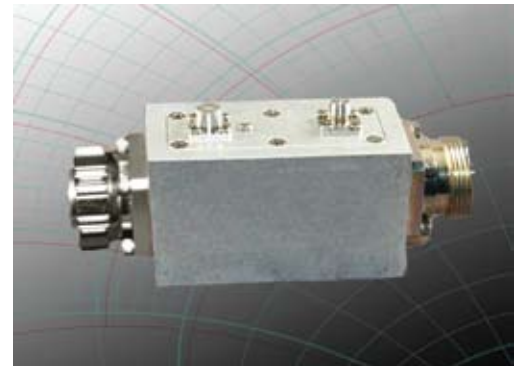




# Dual Directional Couplers

C1-B67, 50db Forward, Directional Coupler, low PIM  
 Single section (slabline) coupler.  
 TYPE 7-16 DIN

Model	C1-B67	
Frequency range	1700 - 2200 MHz	
Coupling Value forward	50 dB +/- 0.5 dB flatness	
Directivity	TYP	MIN
	30 dB	25 dB
Insertion Loss	800 MHz	0.03 dB
	2170 MHz	0.05 dB
VSWR and (Return Loss)	Input and Output	1.07 (30 dB)
	Coupled Port	1.15 (23 dB)
		1.12 (25 dB)
		1.3 (17.7 dB)
Impedance	50 $\Omega$	
Intermodulation IM3 (2 x 43 dBm carrier)	160 dBc	
Max. Power	500 W Avg, 5KW Peak	
Termination Max. Power	3 W Avg	
Connectors	Main male/female TYPE 7-16 DIN, flange with O-ring Coupled - SMA female	
Material: Housing Inner Conductor & Connectors	Aluminum, Conversion Coating Brass, Silver Plated	
DC continuity Input $\leftrightarrow$ Output Input $\leftrightarrow$ Coupled Port	RF and DC RF only	
Temperature range	-25 to +75 $^{\circ}$ C	



R&D Microwaves LLC single section, airline, Dual Directional Coupler covering wireless applications in the 1700-2200 MHz band. Supplied with TYPE 7-16 DIN connectors, this design offers RF power ratings of 500 Watts (3.0 kW peak). Insertion loss is less than 0.15 dB, RL is better than 25 dB, coupling is 50 dB with directivity better than 25 dB across the entire 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

COUPLING CAL DATA PROVIDED ON LABEL

**Made in USA.**

