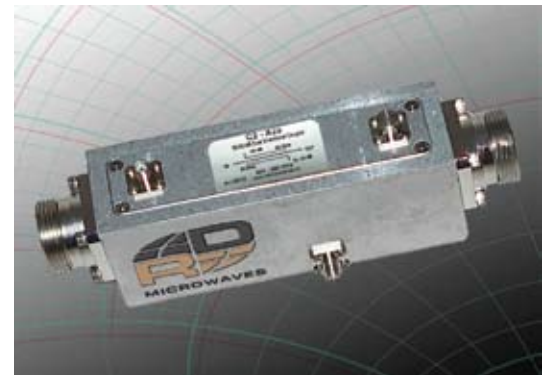


Dual Directional Couplers

C2-A29, 50db Forward, 43.5dBx2 Reverse, Dual Directional Coupler PIM optimized
Single section (slabline) coupler.
TYPE 7-16 DIN

| Model | C2-A29 | |
|---|---|---------------|
| Frequency range | 800 - 1000 MHz | |
| Coupling Value forward | 50 dB +/- 0.5 dB | |
| reverse | 2 x 43.5 dB +/- 0.5 dB | |
| Directivity | TYP | MIN |
| Isolation for (2) reverse coupler outputs > 20 dB | 30 dB | 25 dB |
| Insertion Loss | TYP | MAX |
| 800 MHz | 0.03 dB | 0.07 dB |
| 2170 MHz | 0.05 dB | 0.1 dB |
| VSWR and (Return Loss) | TYP | MIN |
| Input and Output | 1.07 (30 dB) | 1.12 (25 dB) |
| Coupled Port | 1.15 (23 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 | Main female TYPE 7-16 DIN, flange with O-ring Coupled ports - SMA female | |
| Material: Housing | Aluminum, Conversion Coating | |
| Inner Conductor & Connectors | Brass, Silver Plated | |
| DC continuity | RF and DC | |
| Input ↔ Output | RF only | |
| Input ↔ Coupled Port | RF only | |
| Temperature range | -25 to +75 °C | |



R&D Microwaves LLC single section, airline, Dual Directional Coupler covering wireless applications in the 800-1000 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. Two isolated reverse coupled output ports are provided in this unit @ 43.5 dB each.

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

Made in USA.

