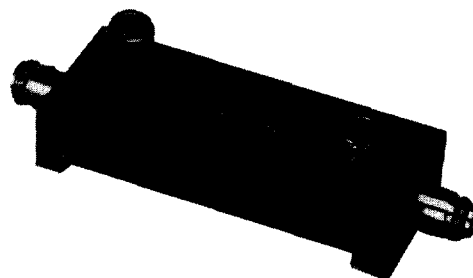


Cellular Band Single and Dual Directional Couplers



RLC Electronics Cellular Directional Couplers exhibit high directivity, low insertion loss and low VSWR over their respective bandwidths.

These basic units may be easily optimized for your particular frequency range.

Specifications

CC-1,2,3,4

Model No.	Frequency Range (MHz)	Directivity (dB)(Min)	VSWR (Max)	Insertion Loss (dB)(Max)
CC- * -800-100-	750-850	25	1.15	0.20
CC- * -850-100-	800-900	25	1.15	0.20
CC- * -900-100-	850-950	25	1.15	0.20
CC- * -950-100-	900-1000	25	1.20	0.20
CC- * -1100-200-	1000-1200	20	1.20	0.25

Coupling (nom): 10 \pm 0.5 dB, 20 \pm 1 dB
(Ref. to Output): 30 \pm 1 dB, 40 \pm 1dB,
 50 \pm 1.5 dB

Impedance: 50 ohms

Power: 500 watts avg.

Flatness: \pm 0.2 dB

Connector: SMA, N

Environment: MIL-E-5400, Class 1A

To designate the coupler desired use:

- (1) S for single or D for dual
- (2) 800, 850, etc. for model number
- (3) Coupling value 10, 20, 30, 40 or 50

- (4) Connector type:
 Main Line N (female/male)
 Secondary Line R for SMA (female),
 N for N (female) type

Example: CC-D-850-100-30-R is a 30 dB dual coupler, 800-900 MHz frequency range, with SMA coupling connectors.

Specials requiring closer tolerances, different frequency ranges, special connectors, different materials, finishes, etc., can be furnished upon request. Specifications subject to change without notice.

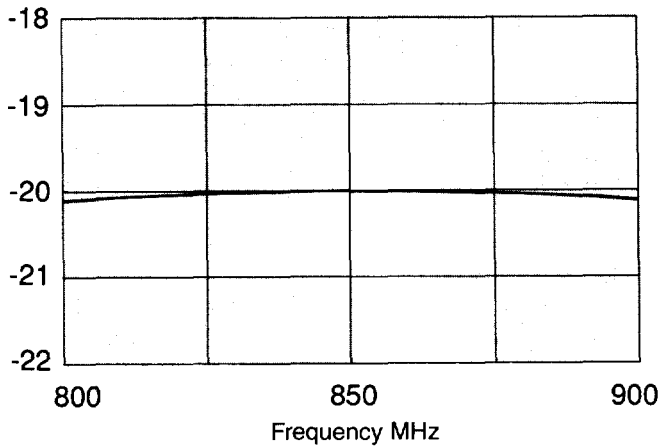


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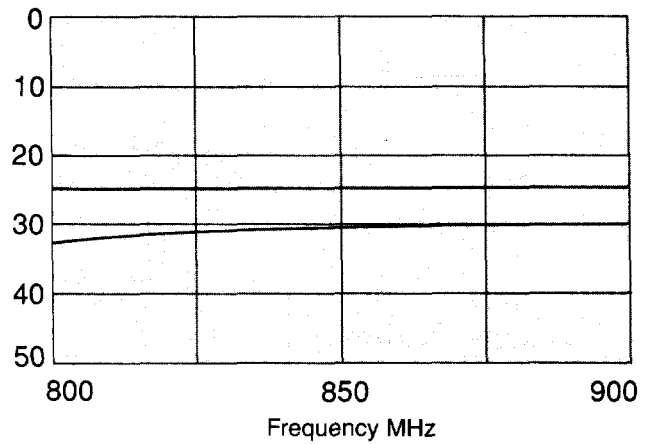
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Typical Operating Curves

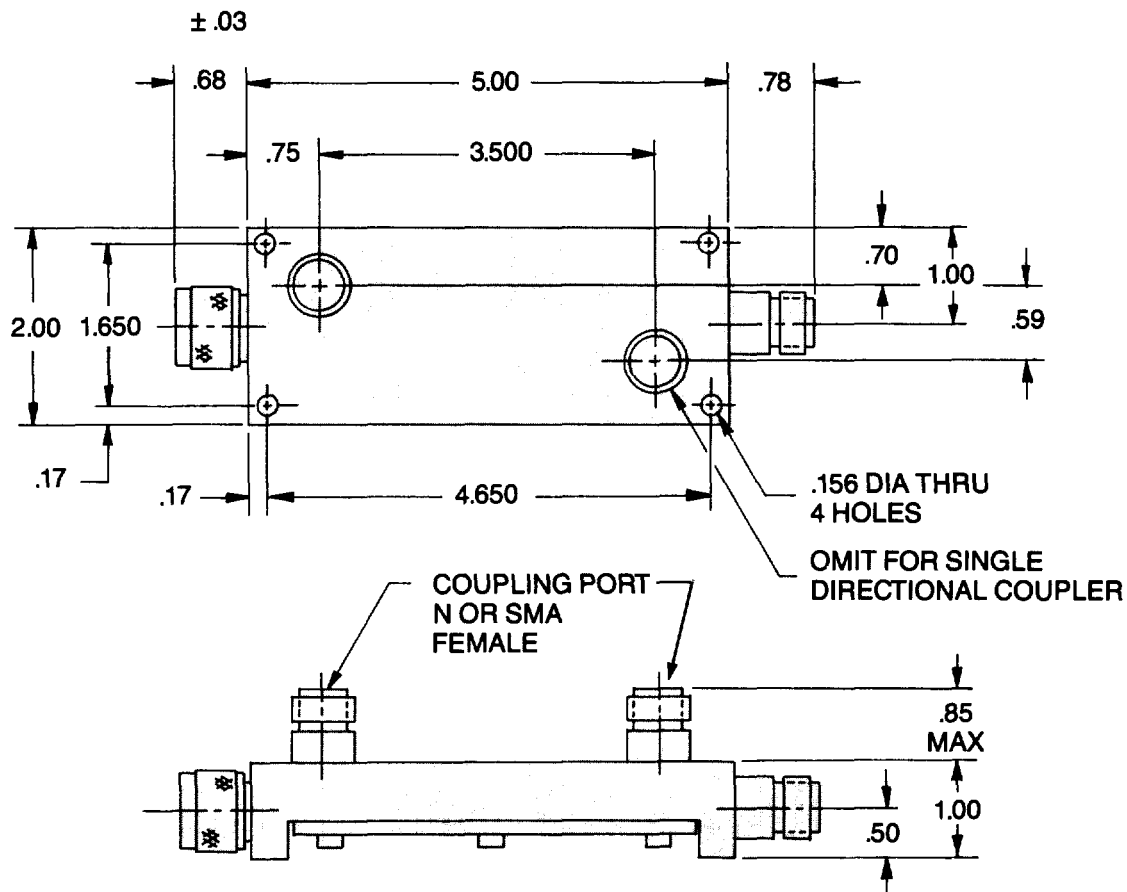
Coupling Deviation Vs. Frequency



Directivity Vs. Frequency



Outlines



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