

**Technical Specification**

**CC450, CC850, CC1800, CC2400  
WIDE BAND COUPLER/STACKER**

|               |                     |
|---------------|---------------------|
| <b>CC450</b>  | <b>400-520MHz</b>   |
| <b>CC850</b>  | <b>800-970MHz</b>   |
| <b>CC1800</b> | <b>1300-2000MHz</b> |
| <b>CC2400</b> | <b>1500-3000MHz</b> |

**Wide band Performance:** The CC450, CC850, CC1800 and CC2400 are wideband power divider type couplers. They can be used to combine two or more antennas with minimum system loss. They are rated at 125 watts and weigh less than 2 lbs.

**Rugged Construction:** These units are completely sealed and foam filled for long term reliability. The weatherproof design allows for outdoor tower installation as well as rack or system mount.

**Combiner:** As a combiner, these units provide maximum signal transfer between two directional antennas, or a combination of one directional and one omni directional antenna.

**Coupler:** Using the CC850, two cellular telephones can be attached to one antenna.

**Stacking:** All of these coupler/stackers provide a simple method to stack two antennas for increased gain using standard 50 ohm cable.



**SPECIFICATIONS:**

**FREQUENCY RANGE:**

|        |              |
|--------|--------------|
| CC450  | 400-512MHz   |
| CC850  | 800-970MHz   |
| CC1800 | 1300-2000MHz |
| CC2400 | 1500-3000MHz |

|                        |           |
|------------------------|-----------|
| <b>INSERTION LOSS:</b> | <.4dB     |
| <b>IMPEDANCE:</b>      | 50 ohms   |
| <b>POWER RATING:</b>   | 125 watts |

**CONSTRUCTION:** Polyester coated aluminum  
sealed element structure

**TERMINATION:** Standard Type N female  
Optional TNC female  
CC1800 has standard TNC female

|                    |        |          |
|--------------------|--------|----------|
| <b>DIMENSIONS:</b> | CC450  | 1" X 24" |
|                    | CC850  | 1" X 12" |
|                    | CC1800 | 1" X 8"  |
|                    | CC2400 | 1" X 8"  |

**MOUNTING:** Mounting Flange