



**DECADES AHEAD<sup>®</sup>**  
high power RF devices

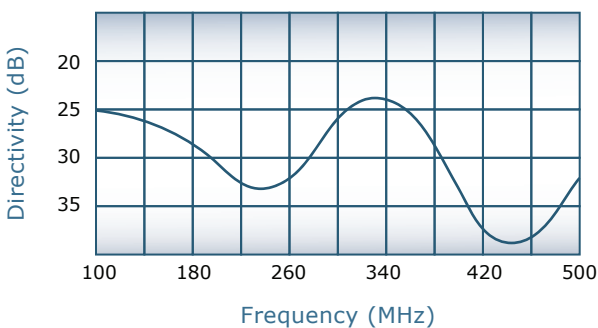
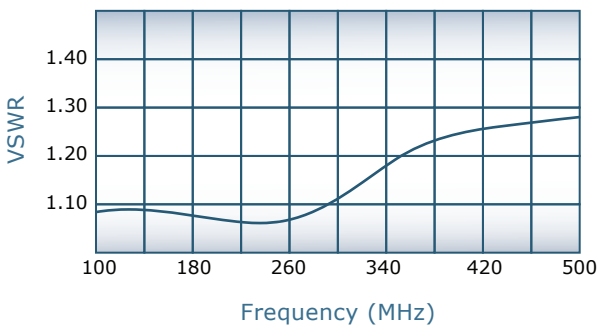
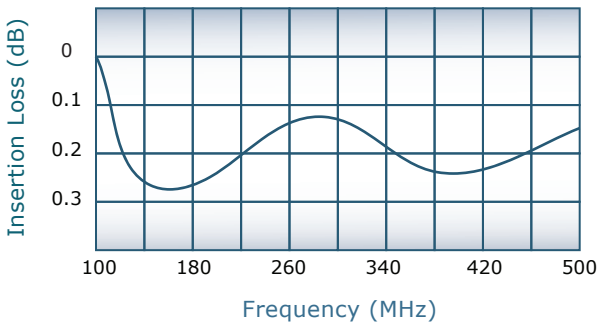
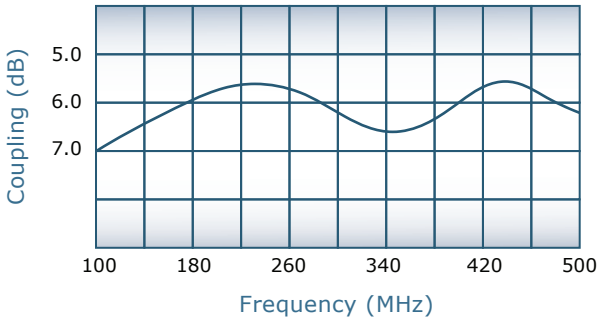
**Werlatone<sup>®</sup>, Inc.**

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**6 dB Uni-Directional Coupler  
Model C7141W**

|                 |                 |
|-----------------|-----------------|
| Frequency:      | 100 - 500 MHz   |
| Power:          | 100 W CW        |
| Coupling:       | 6 ± 1.0 dB Nom. |
| Insertion Loss: | 0.2 dB Max.*    |
| VSWR:           | 1.30:1 Max.     |
| Flatness:       | 1.0 dB Max.     |
| Directivity:    | 20 dB Min.      |



**Notes**

- \* Does not include Theoretical Coupling Loss
- All specifications guaranteed
- Test data provided with each unit shipped
- Weight: 3 Pounds
- Operating Temperature: -55°C to +75°C
- **Watertight Design, O-Ring Sealed**
- During normal operation, the unit will not require any heat dissipation. In the case of a failure in the cable connected to J2 or J3, however, the unit must be mounted to a heat spreader capable of dissipating 35 W CW

**Connector Configurations**

| Model     | J1, J2 (Main Line) | J3 (Coupled Port) |
|-----------|--------------------|-------------------|
| C7141W-10 | N Female           | N Female          |

