2-18 GHz

High Power Directional Couplers

- High Performance Design
- 400 Watt Average, 3 to 5 kW Peak Rating
- Low Loss, Air Dielectric
- Operation to 85°C without Degradation
- TNC or Type N Connectors

Applications

- Measurement of High Power RF Signals
- Reliable Monitoring of TWT High Power Amplifiers
- Testing of EW Systems with High RF Power Outputs

Specifications

Type N, TNC and SMA, 2 to 18 GHz, 400 W

<table>
<thead>
<tr>
<th>FREQUENCY RANGE (GHz)</th>
<th>MODEL</th>
<th>NOMINAL COUPLING (dB)</th>
<th>MAXIMUM DEVIATION FROM NOMINAL (dB)</th>
<th>CONNECTORS</th>
<th>DIRECTIVITY (dB min.)</th>
<th>INSERTION LOSS (dB max.)</th>
<th>VSWR (max.)</th>
<th>FREQUENCY SENSITIVITY (dB max.)</th>
<th>POWER AVERAGE (W)</th>
<th>POWER PEAK (kW)</th>
<th>WEIGHT (oz. gr.)</th>
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NOTES:
All units are available on a Custom-Order basis. Minimum quantities may apply.
See page 89 for 1 kW CW SC connector model.
**Couplers**

**Outline Drawings**

MODELS 27000, 27001A, 27002

MODELS 27003, 27004A, 27005

Dimensions in inches (mm in parentheses), unless otherwise specified.