

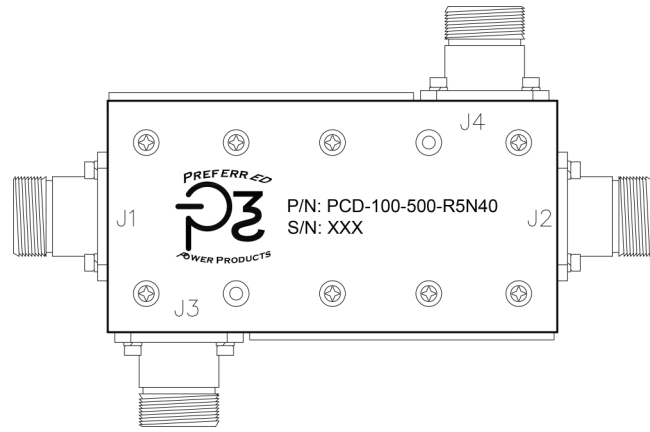
# 500 Watt 40 dB Dual Directional Coupler

Data Sheet



**100-500 MHz**  
**PWR-LINE™**

**Model: PCD-100-500-R5N40**



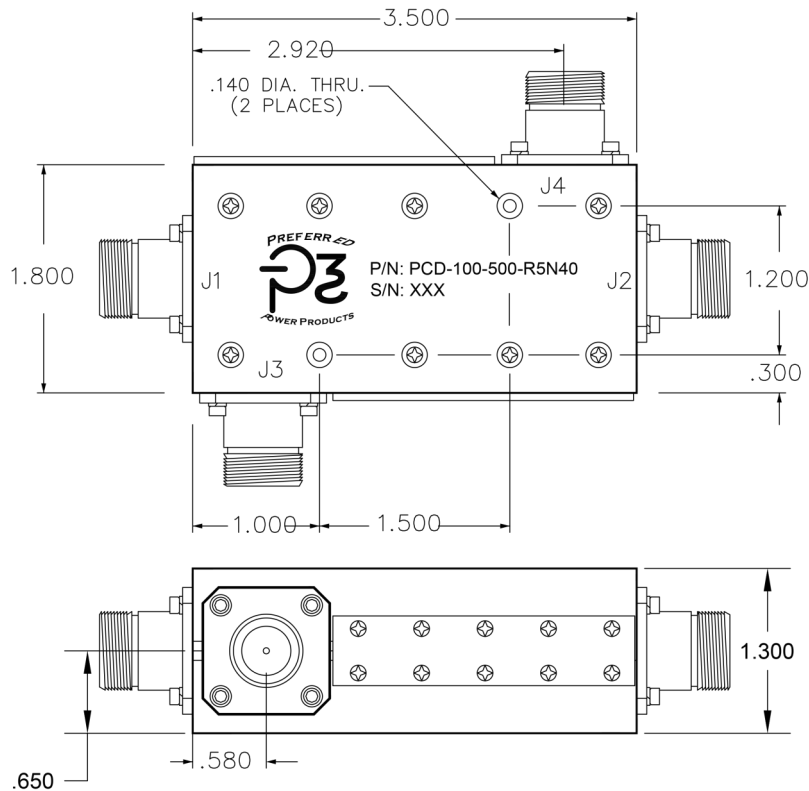
Frequency:	100 - 500 MHz
Coupling:	40 dB $\pm$ 1.0 dB Max.*
Power:	500 Watts CW
Freq. Flatness:	$\pm$ 0.30 dB Max.
Insertion Loss:	0.50 dB Max.
Directivity:	24 dB Min.
VSWR:	1.15:1 Max. Primary Line**
Connectors:	"N" Female All Ports

**PCD Series** couplers feature reliable Stripline construction using multi-section designs which provides power sampling up to 2000 watts CW in small coaxial packages that have proven power performance and reliability under extreme environmental conditions. To enhance performance, matched high power terminations are internally mounted on most models too obtain high directivity, higher coupled port power and excellent VSWR.

**NOTES:**

- Material: Aluminum Alloy, 6061-T651
- Finish: Chem-Film, Gold Irridite MIL-C5541E
- Operating Temperature: -55°C to +85°C
- Uni-Directional version available
- Other connectors configurations available

\* Theoretical Coupling Loss Not Included  
\*\* Coupled Ports are matched into 50 $\Omega$  System



Specifications subject to change without

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