

# 100 Watt 20 dB Dual Directional Coupler

Data Sheet



Model: PCD-100-2000-R1S20



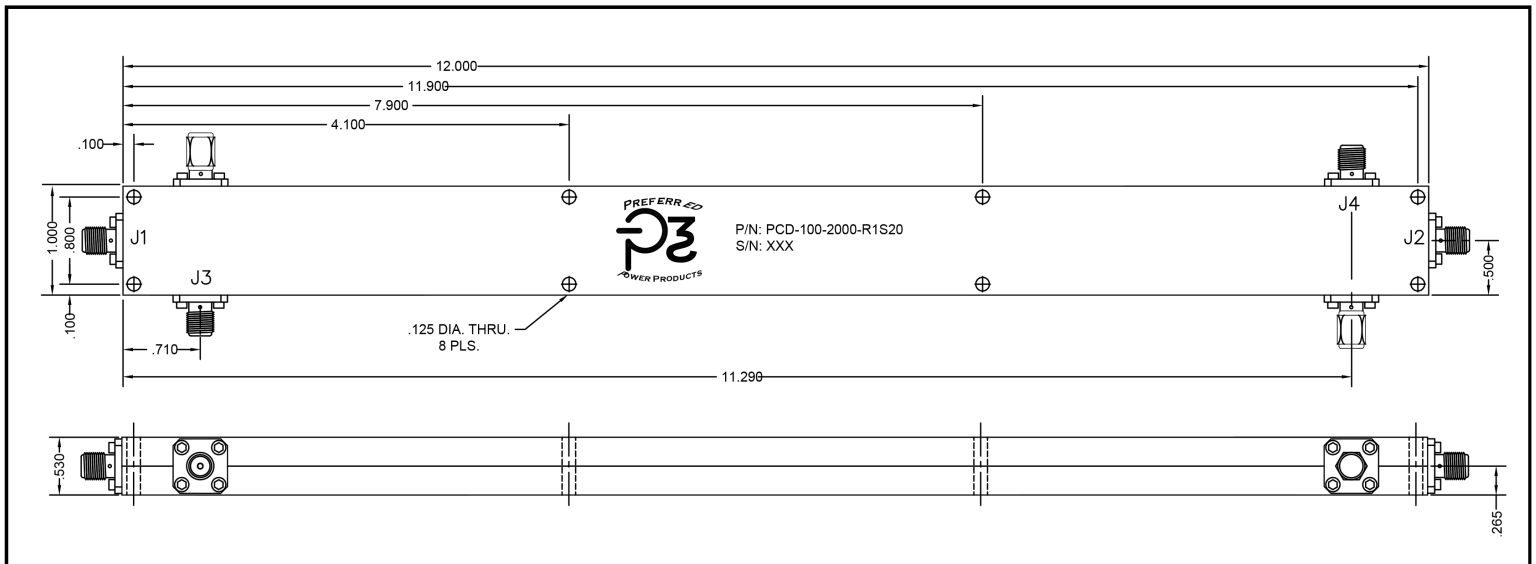
Frequency:	100 - 2000 MHz
Coupling:	20 dB $\pm$ 1.0 dB Max.*
Power:	100 Watts CW
Freq. Flatness:	$\pm$ 1.5 dB Max.
Insertion Loss:	1.0 Db dB Max. @ 1 GHz
Directivity:	15-18 dB Typ.
VSWR:	1.25:1 Max. All Ports
Connectors:	"SMA" Female All Ports

\* Theoretical Coupling Loss Not Included

**PNC 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 to obtain high directivity, higher coupled port power and excellent VSWR.

**NOTES:**

- Material: Aluminum Alloy, 6061-T651
- Finish: Blue Powder Coated
- Operating Temperature: -55°C to +85°C
- Uni-Directional version available
- Other connectors configurations available



Specifications subject to change without notice

[www.preferredpowerproducts.com](http://www.preferredpowerproducts.com)

Tel: 1-772-291-2549 | [sales@preferredpowerproducts.net](mailto:sales@preferredpowerproducts.net)

STUART, FL 34997

# 100 Watt 20 dB Dual Directional Coupler

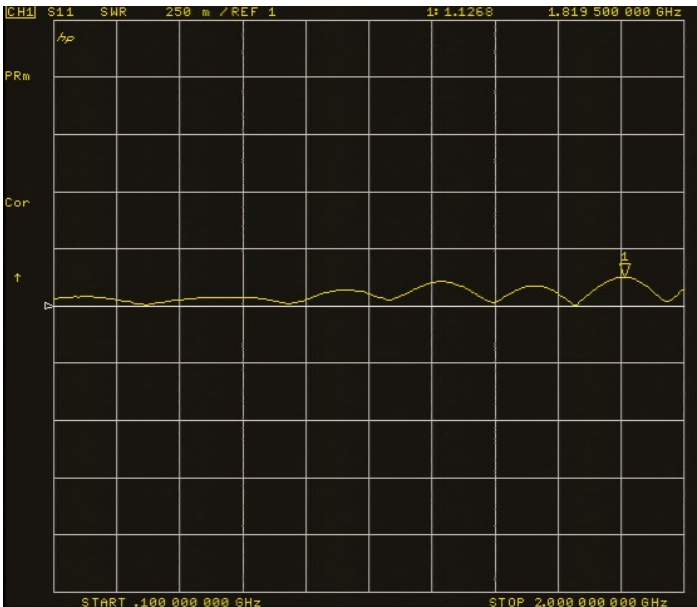
Data Sheet



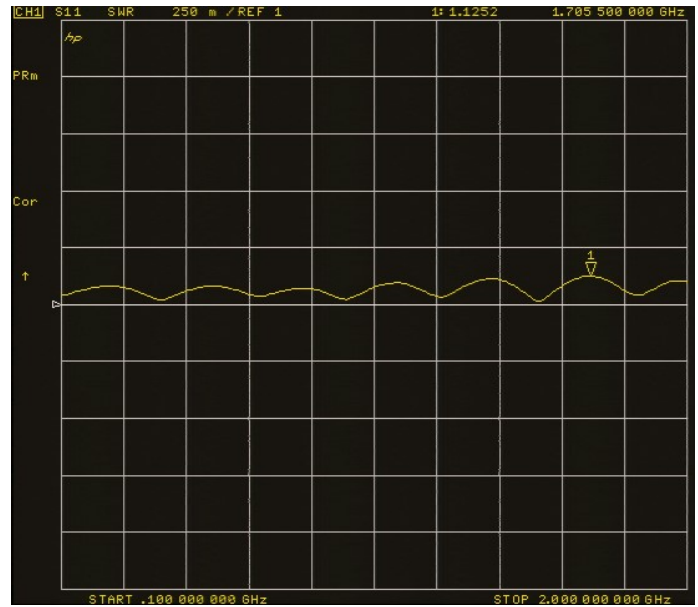
100-2000 MHz



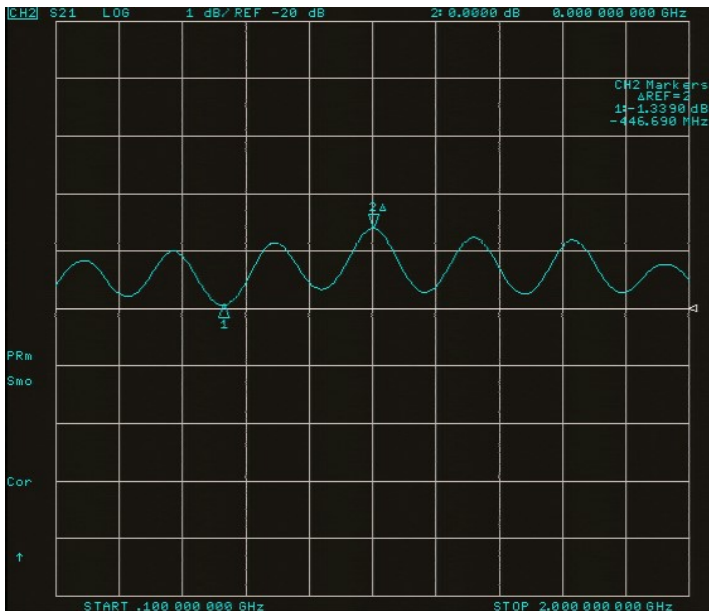
## THRU-LINE VSWR



## COUPLED PORT VSWR



## COUPLING



## THRU-LINE INSERTION LOSS

