

500 Watt 90° *HYBR-LINE* Coupler



100-500 MHz

Model: HBL-100-500-R5B



| | |
|---------------------------|------------------------------|
| Frequency: | 100 - 500 MHz |
| Amplitude Balance: | ±0.85 dB Max. |
| Power: | 500 Watts CW |
| Phase Balance: | ± 2.5° Typical |
| Insertion Loss: | 0.85 dB Max. |
| Isolation: | 18 dB Min. |
| VSWR: | 1.35:1 Max. All Ports |

HBL *HYBR-LINE* Series Drop-In Hybrid couplers provide High Power dividing or combining while exhibiting excellent phase and amplitude balance over continuous broadband operation. Solid compact designs are able to operate in a wide variety of environments, which include Medical, Industrial, Commercial wireless, Military, and Space. The P3 library of designs allows for modifications of standard designs to be made quickly and inexpensively to meet specific requirements with short delivery times. Consult factory for special requirements or frequency ranges.

NOTES:

Material: Aluminum Alloy. 6061-T651
 Finish: Chem-Film, Clear Iridite MIL-DTL-5541F
 Operating Temperature: -55°C to +85°C

Specifications subject to change without notice

0.210

5.000

4.580

0.200

2.500

2.100

0.500

1.000

2.000

3.000

4.000

0.150 Min.

.120 Wide X .005 Thk.

.100 DIA THRU (10 PLACES)

.030 MAX. EYELET PROJECTION TYP. EACH SIDE MAX. EYELET DIA. .220 (10 PLACES)

.22 MAX

.11

PREFERRED POWER PRODUCTS P/N: HBL-XXX-XXX-XXX

EXAMPLE

| INPUT | OUTPUT | | | |
|-------|-------------|-------------|-------------|-------------|
| | A | B | C | D |
| A | --- | Termination | 0° | -90° |
| B | Termination | --- | -90° | 0° |
| C | 0° | -90° | --- | Termination |
| D | -90° | 0° | Termination | --- |

NOTES:

1. TOLERANCE IS ±.020, (UNLESS OTHERWISE SPECIFIED)
2. LEAD WIDTH: .120" TYP.
3. LEAD LENGTH: .200" TYP.
4. LEAD MATERIAL: 99.99% PURE SILVER (.005" THK.)

www.preferredpowerproducts.com

Tel: 1-772-291-2549 | sales@preferredpowerproducts.net

STUART, FL 34997