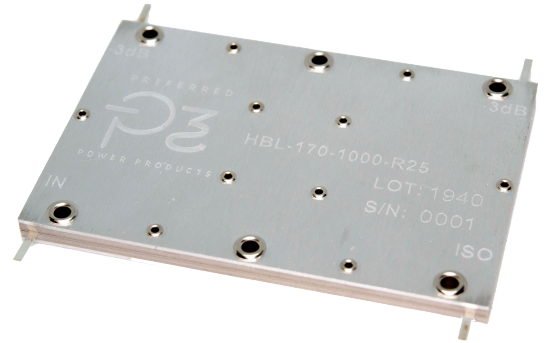


250Watt 90° *HYBR-LINE* Coupler



170-1000MHz



Model: HBL-170-1000-R25



Frequency:	170-1000 MHz.
Amplitude Balance:	±0.575 dB Max.
Power:	250 Watts CW
Phase Balance:	±5.0° Typical
Insertion Loss:	0.75 dB Max.
Isolation:	15 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

NOTES:

1. TOLERANCE IS +/- .020" (UNLESS OTHERWISE SPECIFIED)
2. LEAD WIDTH: .060" TYP.
3. LEAD LENGTH: .150" TYP.
4. LEAD MATERIAL: 99.99% PURE SILVER (.005" THK.)

PHASE RELATIONSHIP FOR 90° HYBRIDS				
INPUT	OUTPUT			
	A	B	C	D
A	----	Termination	0°	-90
B	Termination	----	-90	0°
C	0°	-90	----	Termination
D	-90	0°	Termination	----

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