

250Watt 90° *HYBR-LINE* Coupler



120-230 MHz



Model: HBL-120-230-312



Frequency:	120-230 MHz.
Amplitude Balance:	±0.75 dB Max.
Power:	250 Watts CW
Phase Balance:	±4.0° Typical
Insertion Loss:	0.25dB Max.
Isolation:	20 dB Min.
VSWR:	1.25:1 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

LEAD WIDTH
.050 (TYP)
LENGTH: .150" MIN

.129
.035 MAX. EYELET PROJECTION
TYP. EACH SIDE
MAX. EYELET DIA. .200
.067

.10 DIA THRU
(4 PLACES)

EXAMPLE
HBL-XXX-XXX-XX

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.)

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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