

800 Watt 90° *HYBR-LINE* Coupler



2000-2200 MHz



Model: HBL-2000-2200-R8A1



Frequency:	2000 - 2200 MHz
Amplitude Balance:	±0.50 dB Max.
Power:	800 Watts CW
Phase Balance:	± 3° Typical
Insertion Loss:	0.25 dB Max.
Isolation:	20 dB Min.
VSWR:	1.20:1 Max. All Ports

HBL 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
.120 (TYP)
LENGTH=.150" MIN

.340 MAX.

.030 MAX. EYELET PROJECTION
4 PLACES, MAX. EYELET DIA. .200

.176 TYP

EXAMPLE

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

NOTES:

- TOLERANCE IS ±.020, (UNLESS OTHERWISE SPECIFIED)
- LEAD WIDTH: .120" TYP.
- LEAD LENGTH: .150" TYP.
- LEAD MATERIAL: 99.99% PURE SILVER (.005" THK.)

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