250 Watt 90° HYBR-LINE Coupler

PREFERRED P3 POWER PRODUCTS

120-230 MHz

Model: HBL-120-230-R25F

RoHS COMPLIANT

Frequency:	**120 - 230 MHz**
Amplitude Balance:	**±0.50 dB Max.**
Power:	**250 Watts CW**
Phase Balance:	**± 2° Typical**
Insertion Loss:	**0.20 dB Max.**
Isolation:	**20 dB Min.**
VSWR:	**1.20:1 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.

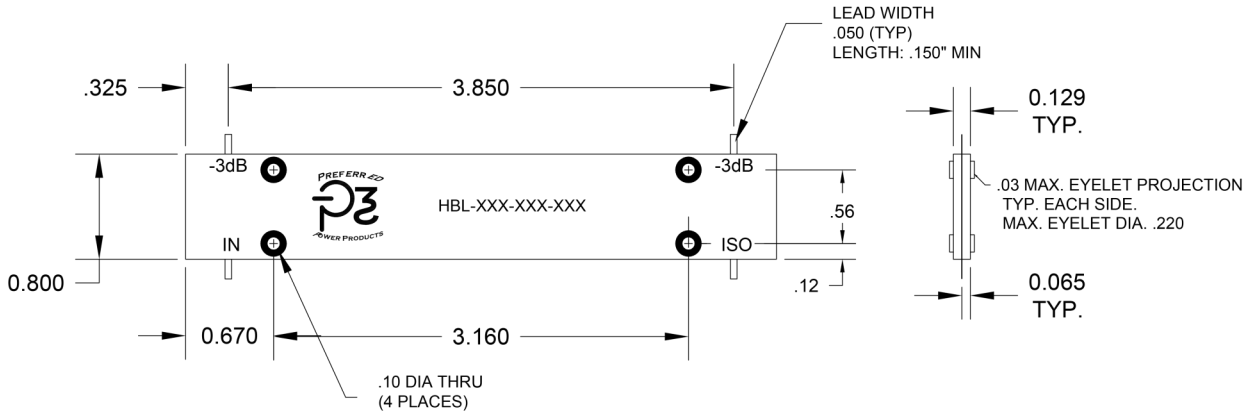
NOTES:

Material: Aluminum Alloy. 6061-T651

Finish: Chem-Film, Clear Irridite MIL-DTL-5541F

Operating Temperature: -55°C to +85°C

Specifications subject to change without notice



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	———

NOTES:
1. TOLERANCE IS ±.020, (UNLESS OTHERWISE SPECIFIED)
2. LEAD WIDTH: .050" TYP.
3. LEAD LENGTH: .150" TYP.
4. LEAD MATERIAL: 99.99% PURE SILVER (.005" THK.)

www.preferredpowerproducts.com

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

STUART, FL 34997