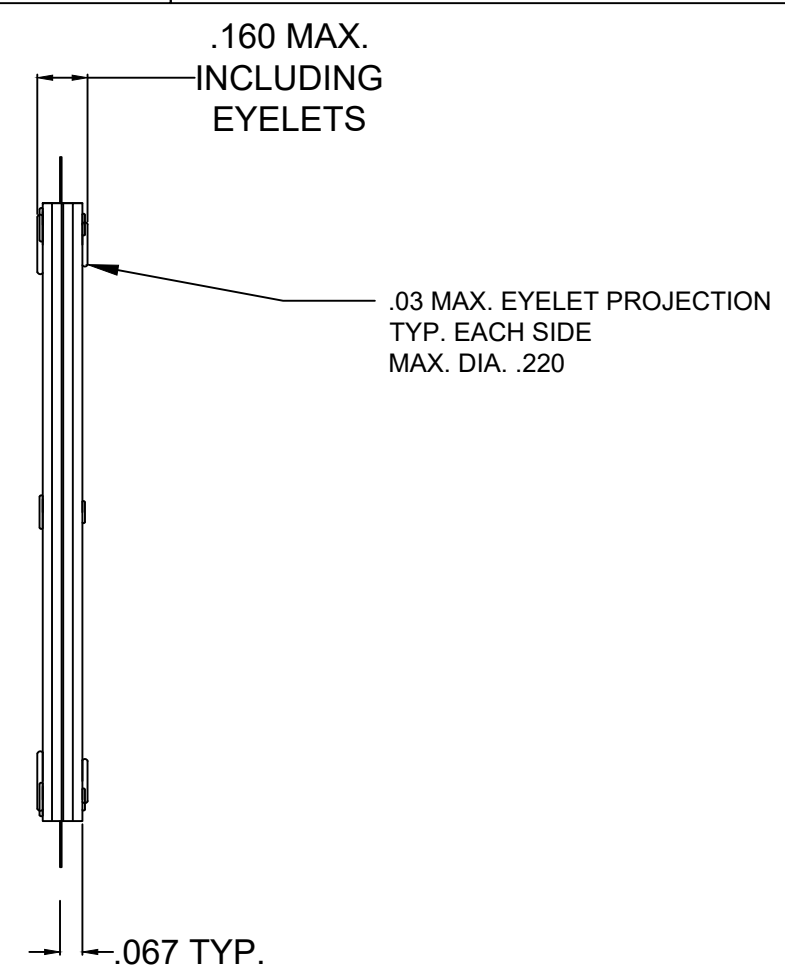
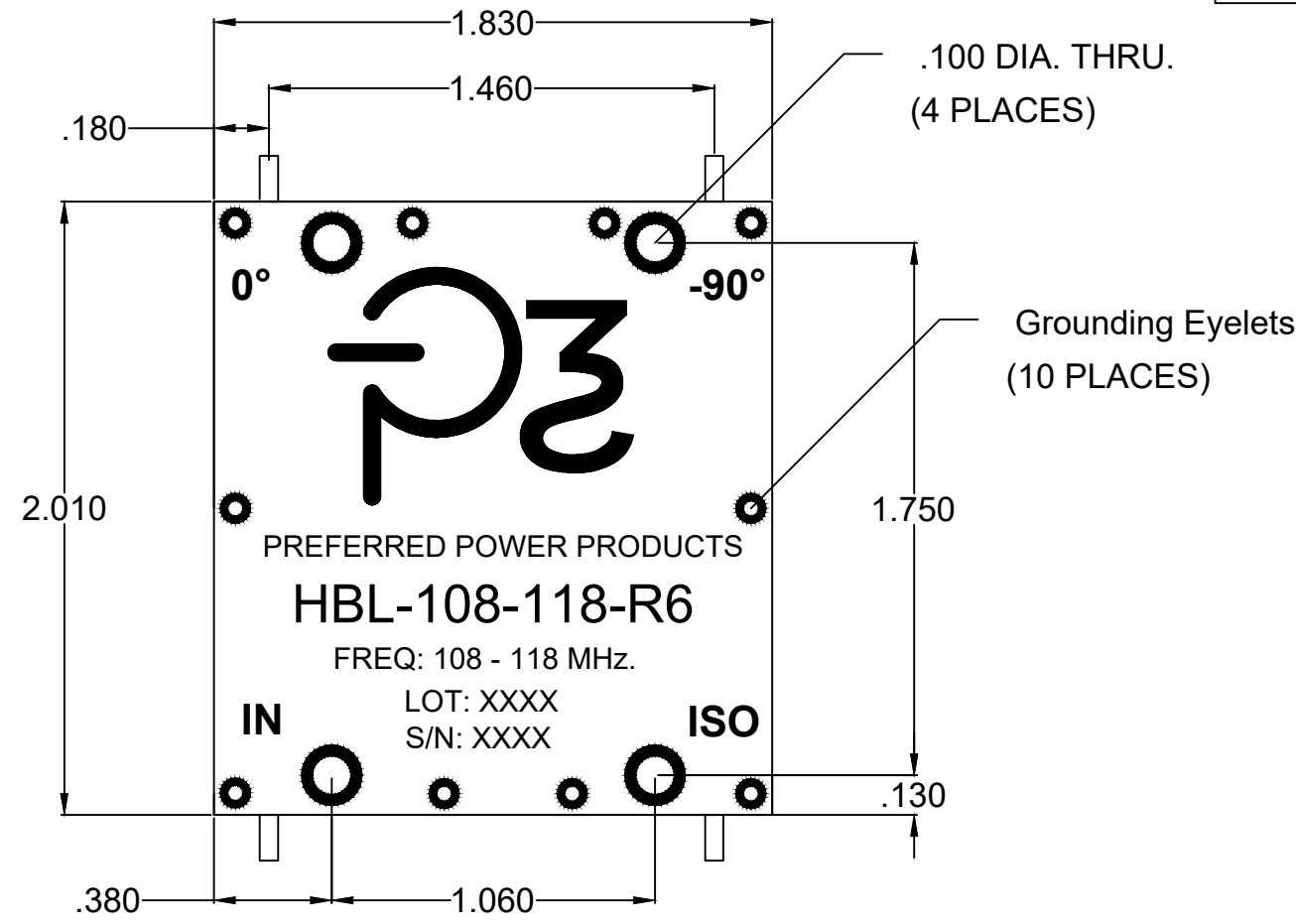


REV	RELEASE	DESCRIPTION	APPR	DATE
A	NEW	INITIAL RELEASE	PD	9/20/18
B	UPDATE	ADDED LOT# AND SERIAL # TO MARKING	PD	10/19/18
C	UPDATE	ADDED ADDITIONAL GROUNDING EYELETS, 10 PLACES	PD	1/20/21



ELECTRICAL SPECIFICATIONS

FREQ: 108 - 118 MHz.
 INSERTION LOSS: < 0.25dB
 V.S.W.R. : < 1.17:1 MAX.
 ISOLATION: > 20dB
 AMPLITUDE BALANCE: ±0.2dB
 PHASE BALANCE: ±1.0°
 POWER: 600 WATT
 1000 WATT PEAK
 TEMPERATURE: -55 TO 85°C

MECHANICAL SPECIFICATIONS


1. MARKING IN ACCORDANCE WITH MIL-STD-130
2. FINISH: CHEM-CONVERSION, CLEAR AS PER MIL-DTL-5541
3. SOLDER TAB: 99.99% PURE SILVER

****NOTE****

TO MITIGATE ARCHING AT THE TAB CONNECTION CONFORMAL COATING MUST BE APPLIED

****NOTE****

PHASE FROM THE IN PORT TO THE -90 PORT WILL BE 107.3° ±1° MEASURED IN P3 TEST FIXTURE MEC-1122 @ 25°C.

 PREFERRED POWER PRODUCTS STUART, FLORIDA 34997	<small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES</small> <u>TOLERANCES:</u> <table style="margin: auto;"> <tr> <td><u>DECIMALS</u></td> <td><u>ANGULAR</u></td> </tr> <tr> <td>.X ± .1</td> <td>± .5°</td> </tr> <tr> <td>.XX ± .01</td> <td></td> </tr> <tr> <td>.XXX ± .005</td> <td></td> </tr> </table>		<u>DECIMALS</u>	<u>ANGULAR</u>	.X ± .1	± .5°	.XX ± .01		.XXX ± .005		PART NO. HBL-108-118-R6 HYBRID COUPLER, 90 DEGREE 108-118 MHz. 600 WATTS, 1kW PEAK	
	<u>DECIMALS</u>	<u>ANGULAR</u>										
.X ± .1	± .5°											
.XX ± .01												
.XXX ± .005												
<small>THIS DRAWING AND ALL CONTENTS HEREIN, ARE THE SOLE, PROPRIETARY PROPERTY OF PREFERRED POWER PRODUCTS, LLC AND MAY NOT BE USED, REPRODUCED OR DISCLOSED WITHOUT EXPRESSED WRITTEN CONSENT.</small>	CHECKED PD 9/20/18 DRAWN PD 9/20/18 CAGE CODE 7W5T7	APPROVED PD 9/20/18 ENGINEER PD 9/20/18 SCALE 1:1	SHEET 1 OF 1									