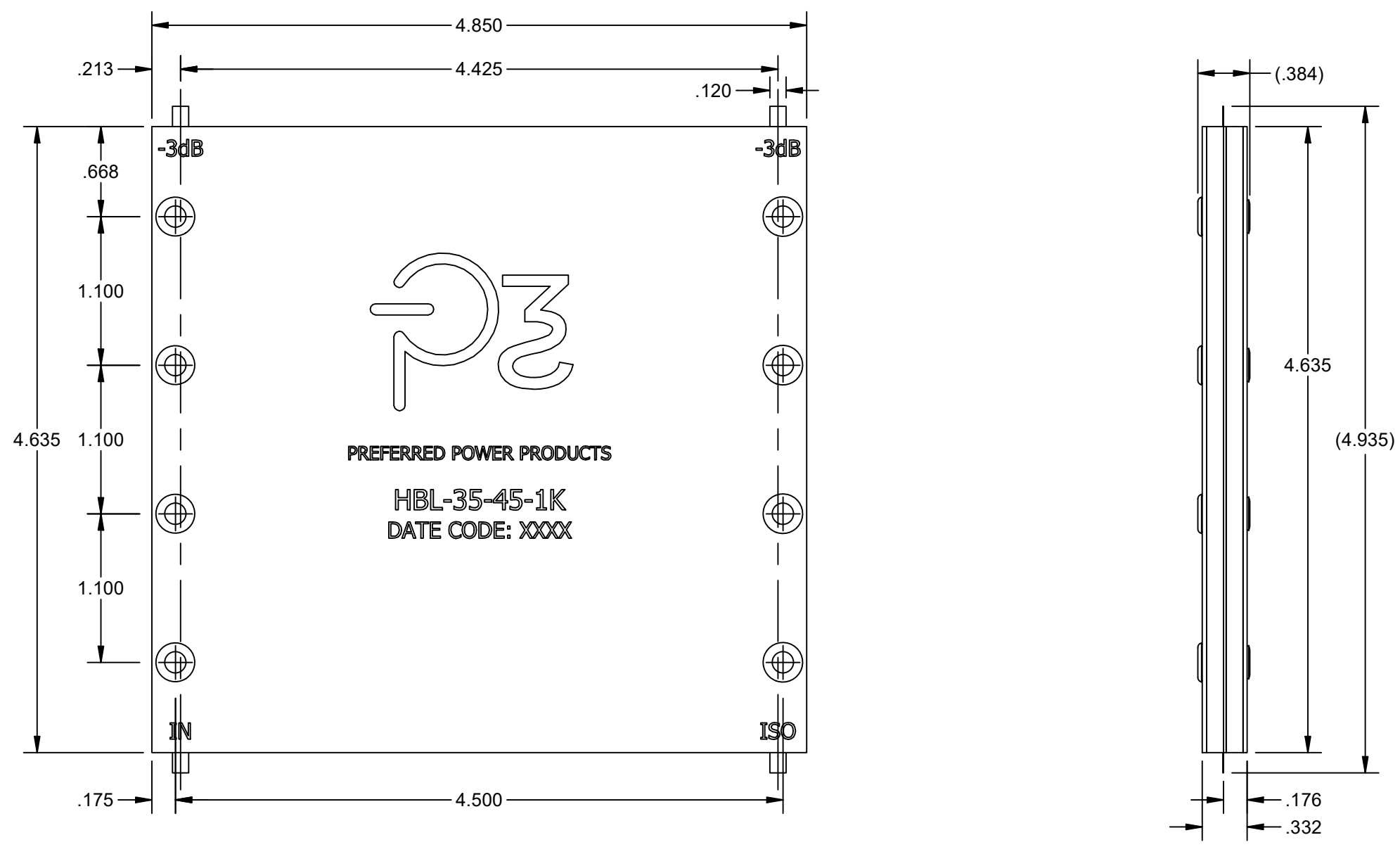


REV	RELEASE	DESCRIPTION	APPROVED	DATE
A	NEW	INITIAL RELEASE	JK	10/6/2021
B	CHANGE	REVISED I/O	JK	3/16/2022




**ELECTRICAL SPECIFICATIONS:**

FREQUENCY:	35 - 45 MHz
POWER:	1000 WATT CW
INSERTION LOSS:	0.20 dB
AMPLITUDE BALANCE:	±0.5 dB
PHASE BALANCE:	±2°
VSWR:	1.2:1 MAX
ISOLATION:	20 dB
OPERATING TEMP:	-55°C TO +85°C
ENVIRONMENT:	SEALED FOR HIGH HUMIDITY APPLICATIONS

**MECHANICAL SPECIFICATIONS:**

MARKING:	PER MIL-STD-130
FINISH:	CHEM-CONVERSION PER MIL-DTL-55413
SOLDER TABS:	99.99% PURE SILVER, 0.058" WIDE X 0.005" THICK

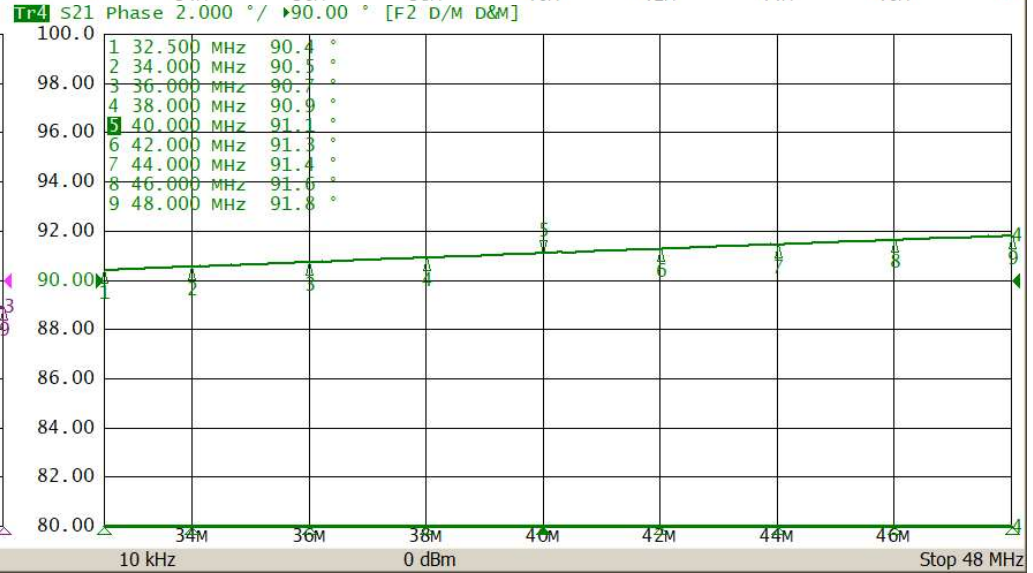
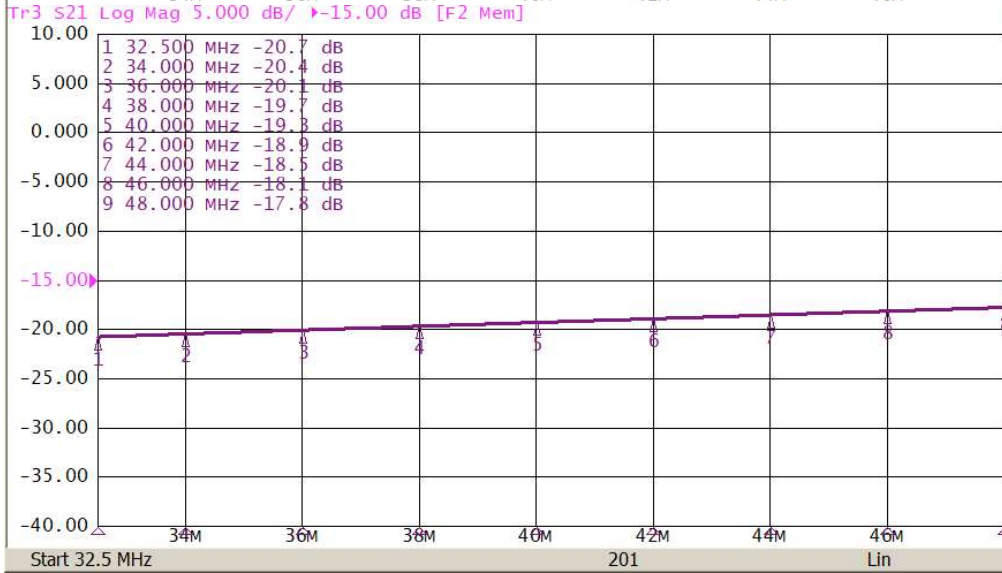
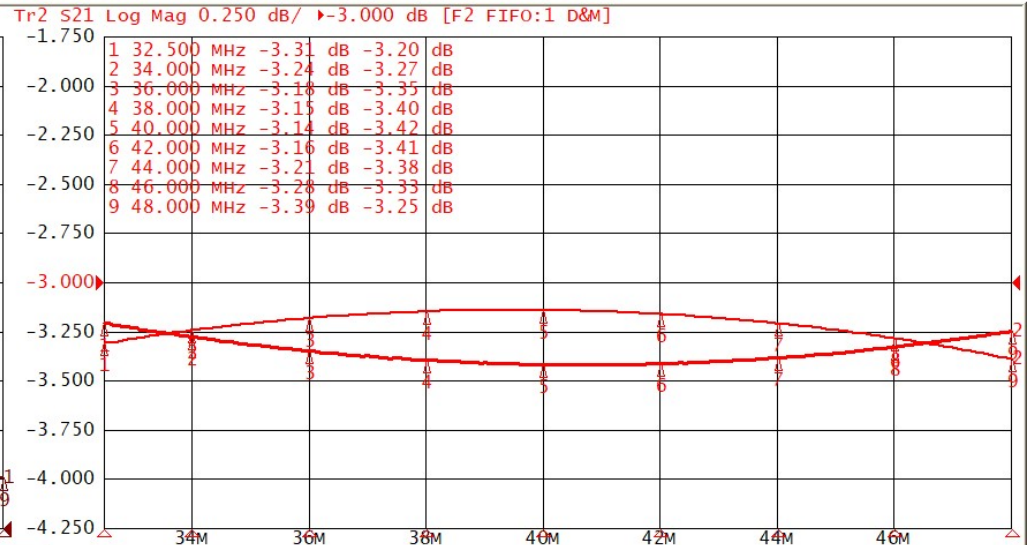
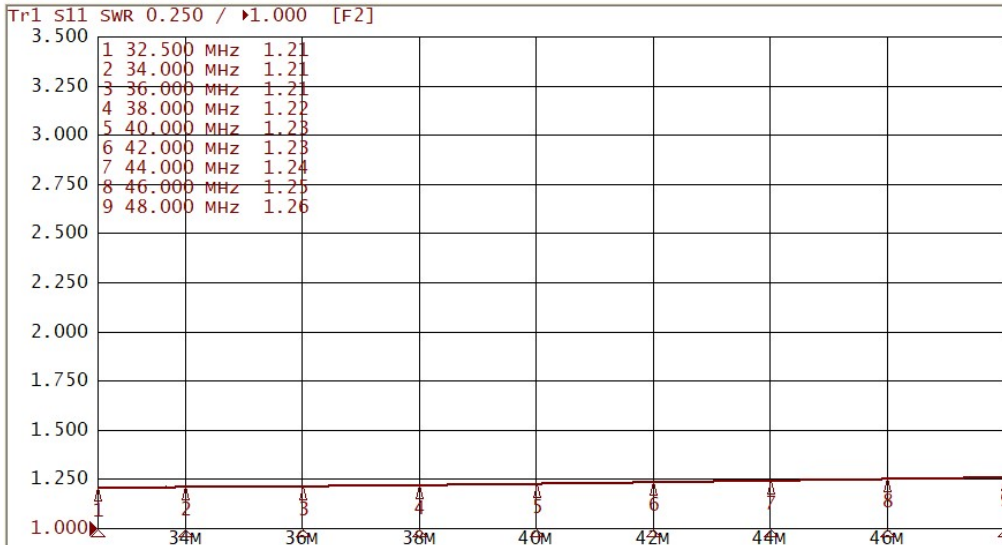
 <b>PREFERRED POWER PRODUCTS</b> STUART, FLORIDA 34997	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES  <b>TOLERANCES:</b> <table> <tr> <th>DECIMALS</th> <th>ANGULAR</th> </tr> <tr> <td>.X ± .1</td> <td>± .5°</td> </tr> <tr> <td>.XX ± .01</td> <td></td> </tr> <tr> <td>.XXX ± .005</td> <td></td> </tr> </table>	DECIMALS	ANGULAR	.X ± .1	± .5°	.XX ± .01		.XXX ± .005		PART NO <b>HBL-35-45-1K</b> HYBRID COUPLER 35 - 45 MHz 1000 WATT CW							
	DECIMALS	ANGULAR															
.X ± .1	± .5°																
.XX ± .01																	
.XXX ± .005																	
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.	<table> <tr> <td>CHECKED</td> <td>PD 10/6/2021</td> <td>APPROVED</td> <td>PD 10/6/2021</td> </tr> <tr> <td>DRAWN</td> <td>JK 10/5/2021</td> <td>ENGINEER</td> <td>PD 10/6/2021</td> </tr> <tr> <td>CAGE CODE</td> <td>7W5T7</td> <td>SCALE</td> <td>N/A</td> </tr> <tr> <td colspan="2"></td> <td>SHEET</td> <td>1 OF 1</td> </tr> </table>	CHECKED	PD 10/6/2021	APPROVED	PD 10/6/2021	DRAWN	JK 10/5/2021	ENGINEER	PD 10/6/2021	CAGE CODE	7W5T7	SCALE	N/A			SHEET	1 OF 1
CHECKED	PD 10/6/2021	APPROVED	PD 10/6/2021														
DRAWN	JK 10/5/2021	ENGINEER	PD 10/6/2021														
CAGE CODE	7W5T7	SCALE	N/A														
		SHEET	1 OF 1														

# TEST DATA

## VSWR

## COUPLING

2/28/2022 9:36:53 AM



## ISOLATION

## PHASE BALANCE