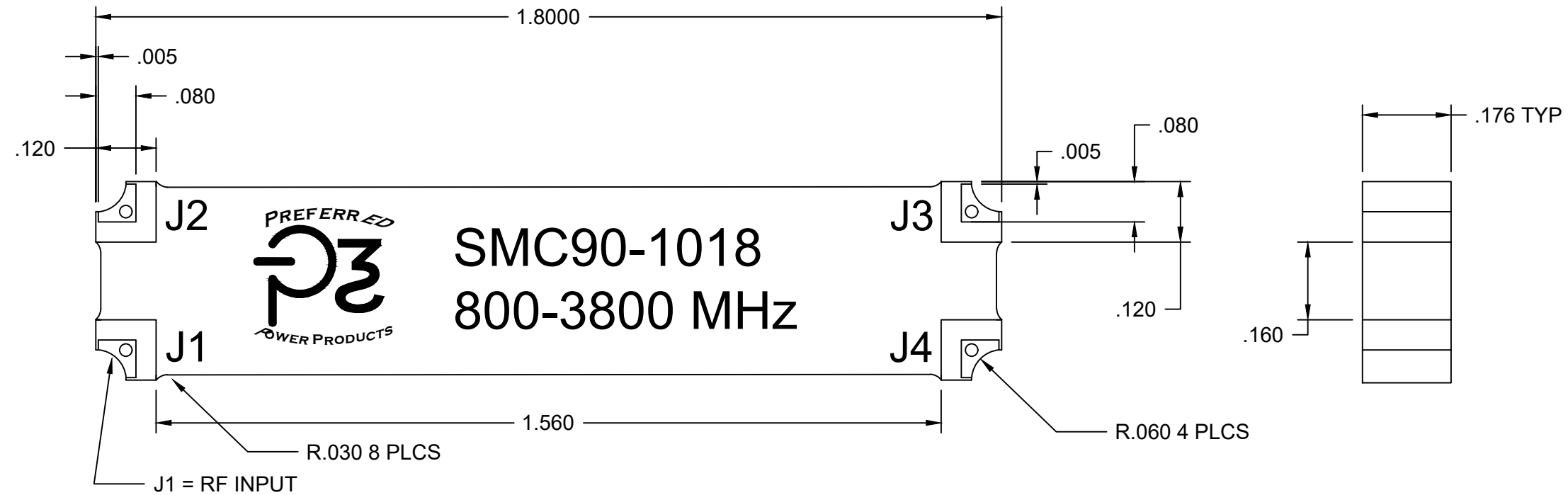


REV	RELEASE	DESCRIPTION	APPR	DATE
A	NEW	INITIAL RELEASE	PD	9/20/19



**SPECIFICATIONS:**

Frequency: 800-3800 MHz.  
 Power: 100 Watts CW  
 Insertion Loss: 0.50 dB Max.  
 Isolation: 18 dB Min.  
 Phase Bal.: 90° ±5.0° Max.  
 VSWR: 1.30 Max..  
 Amplitude Bal.: ±0.65 dB Max.  
 Oper. Temp.: -55° to +85°C

**MECHANICAL:**

Board Material: PTFE  
 Finish: Immersion Tin Plate

**PORT CONFIGURATION**

PORTS	J1	J2	J3	J4
J1	--	0°	-90°	ISO
J2	0°	--	ISO	-90°
J3	-90°	ISO	--	0°
J4	ISO	-90°	0°	--



<p><b>PREFERRED POWER PRODUCTS</b> PALM CITY, FLORIDA 34990</p>	<p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES</p> <p>TOLERANCES:</p> <table border="1"> <thead> <tr> <th>DECIMALS</th> <th>ANGULAR</th> </tr> </thead> <tbody> <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> </tbody> </table>	DECIMALS	ANGULAR	.X ± .1	± .5°	.XX ± .01		.XXX ± .005		<p>PART NO. <b>SMC90-1018</b></p> <p><b>HYBRID COUPLER, SMT 90 DEGREE</b> 800-3800 MHz. 100 WATT</p>	
	DECIMALS	ANGULAR									
.X ± .1	± .5°										
.XX ± .01											
.XXX ± .005											
<p>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.</p>	<p>CHECKED PD 9/20/19</p> <p>DRAWN PD 9/20/19</p> <p>CAGE CODE 7W5T7</p>	<p>APPROVED PD 9/20/19</p> <p>ENGINEER PD 9/20/19</p> <p>SCALE 1:1</p>	<p>SHEET 1 OF 1</p>								