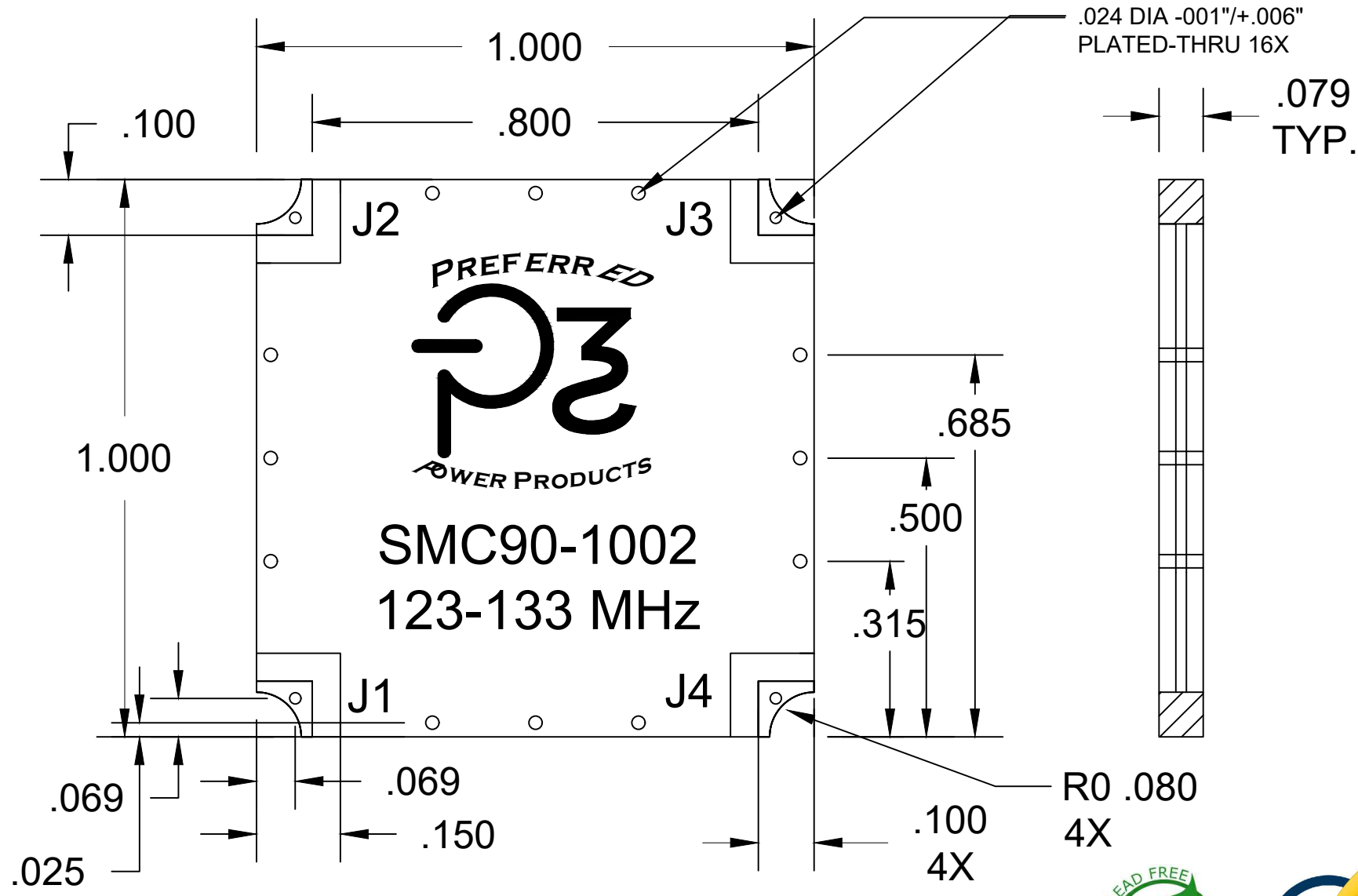


REV	RELEASE	DESCRIPTION	APPR	DATE
A	NEW	INITIAL RELEASE	PD	10/16/17
B	UPDATE	MODIFIED TO CUSTOMER SPECS.	PD	12/13/17
C	UPDATE	VARIOUS CHANGES AND ADDITIONS AS PER CUSTOMER REQUEST	PD	1/4/18



**SPECIFICATIONS:**

Frequency: 123-133 MHz.  
 Power: 300 Watts CW  
 Insertion Loss: 0.23 dB Max.  
 Isolation: 28 dB Min.  
 Phase Bal.: 90° ±1.0° Max.  
 VSWR: 1.10 Typ.  
 Amplitude Bal.: ±0.1 dB Max.  
 Oper. Temp.: -55° to +85°C

**MATERIALS:**

Board Material: PTFE  
 Finish: Emmersion 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°	--



**PREFERRED POWER PRODUCTS**  
 Stuart, FL 34990

UNLESS OTHERWISE SPECIFIED  
 ALL DIMENSIONS ARE IN INCHES

**TOLERANCES:**

DECIMALS	ANGULAR
.X ± .1	± .5°
.XX ± .01	
.XXX ± .005	

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 PRODUCTS, LLC AND MAY NOT BE USED,  
 REPRODUCED OR DISCLOSED WITHOUT  
 EXPRESSED WRITTEN CONSENT.

PART NO.		<b>SMC90-1002</b>	
HYBRID COUPLER, SMT, 90 DEGREE 123 - 133 MHz. 300 WATT, CW			
CHECKED	PD 10/16/17	APPROVED	PD 10/16/17
DRAWN	PD 10/16/17	ENGINEER	PD 10/16/17
CAGE CODE	7W5T7	SCALE	1:1
		SHEET 1 OF 1	