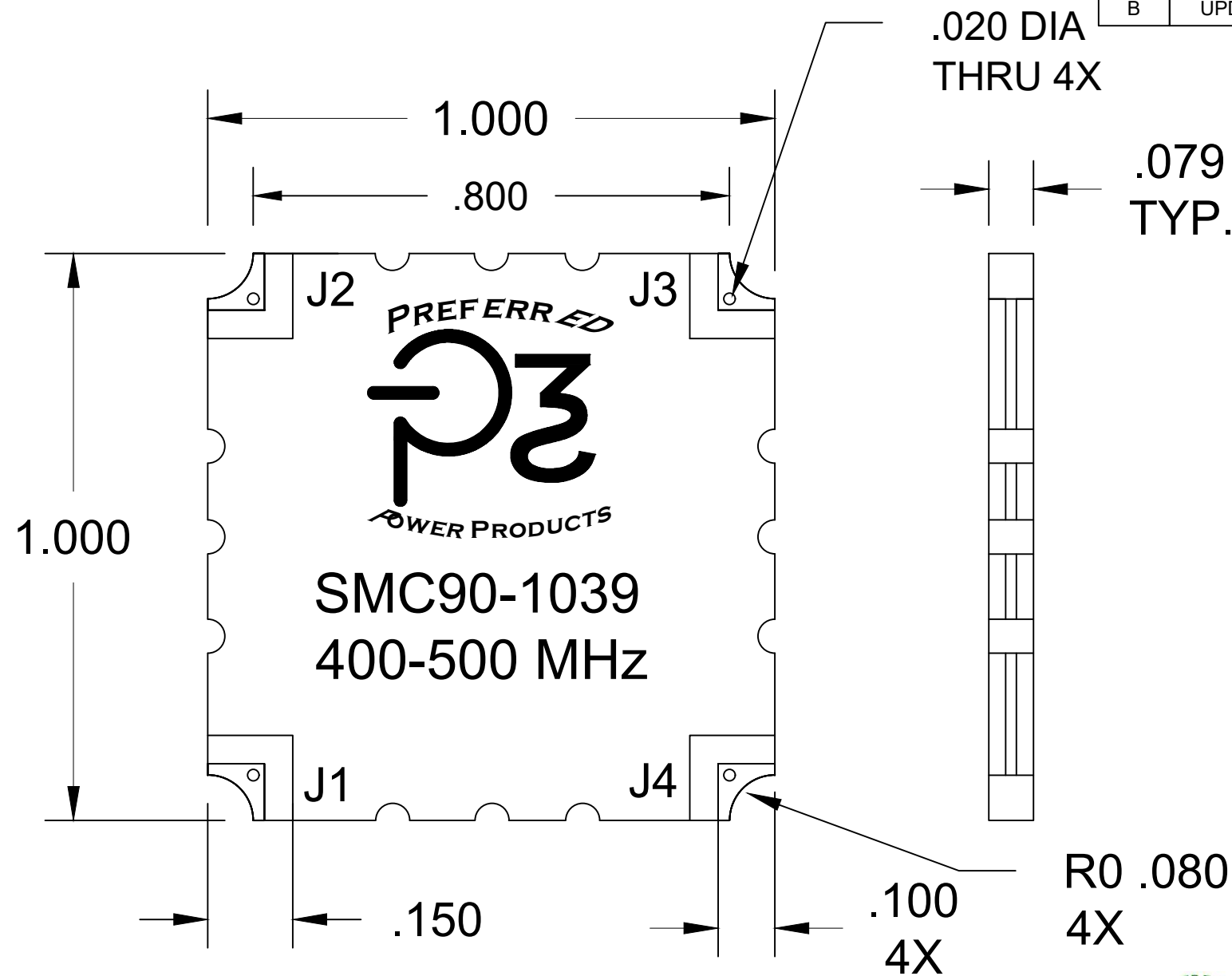


REV	RELEASE	DESCRIPTION	APPR	DATE
A	NEW	INITIAL RELEASE	PD	10/16/17
B	UPDATE	ADDED .800 DIMENSION, 2 PLACES	PD	4/10/18



SPECIFICATIONS:

Frequency: 400-500 MHz.
 Power: 300 Watts CW
 Insertion Loss: 0.2 dB Max.
 Isolation: 25 dB Min.
 Phase Bal.: 90° ±3.0° Max.
 VSWR: 1.15 Typ.
 Amplitude Bal.: ±0.4 dB Max.
 Oper. Temp.: -55° to +85°C

MATERIALS:

Rogers Corp. AD450
 Rogers Corp. RO4350B
 Rogers Corp. Bondply 2929
 Finish: Non-Magnetic Tin Plated
 Marking: P/N to be half etched



PORT CONFIGURATION

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



UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE IN INCHES

TOLERANCES:

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

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PART NO. **SMC90-1039 rev.A**

HYBRID COUPLER, SMT, 90 DEGREE
400 - 500 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**