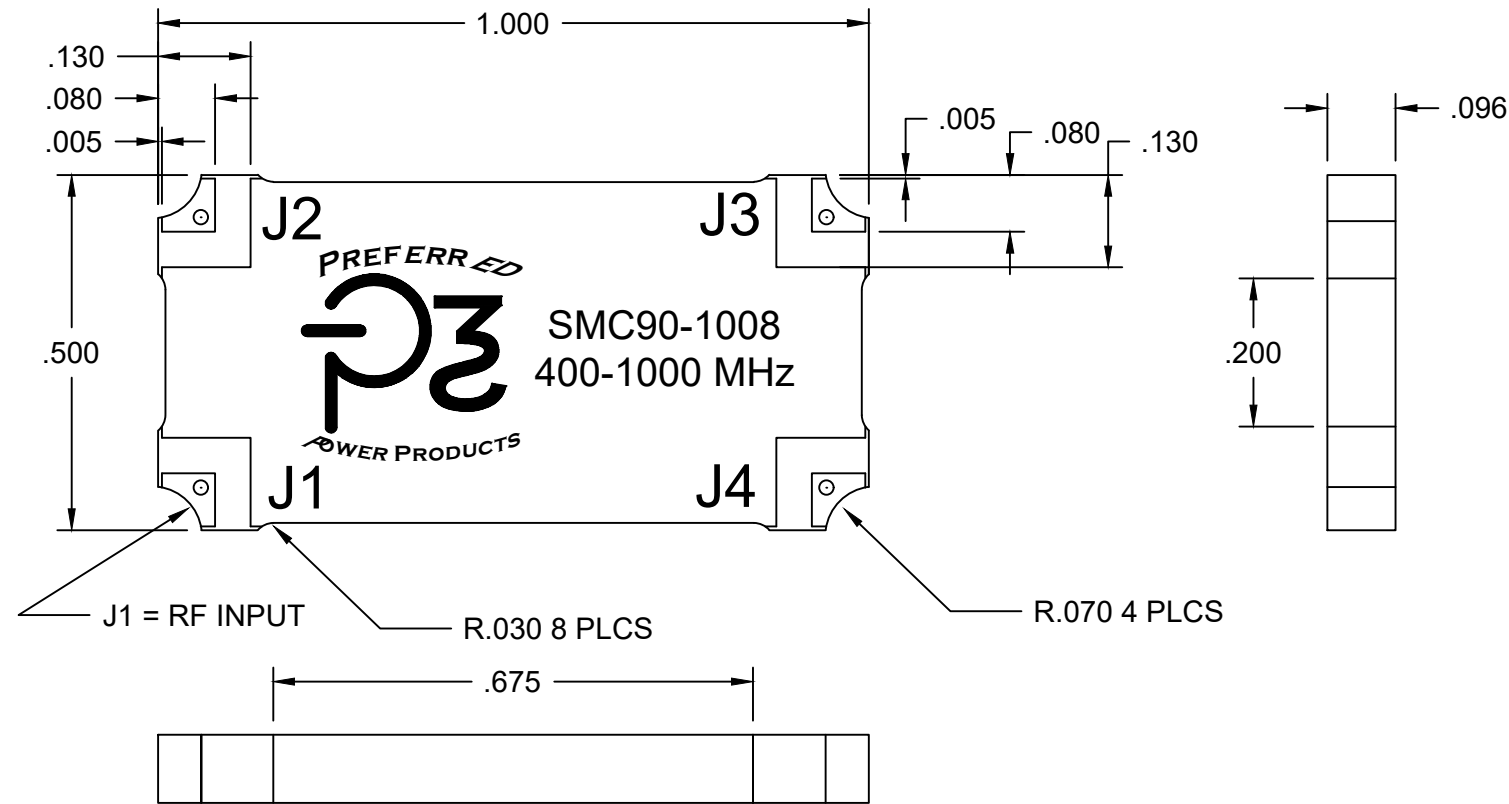


| REV | RELEASE | DESCRIPTION | APPR | DATE |
|-----|---------|-----------------|------|---------|
| A | NEW | INITIAL RELEASE | PD | 9/18/19 |



SPECIFICATIONS:

Frequency: 400-1000 MHz.
 Power: 150 Watts CW
 Insertion Loss: 0.25 dB Max.
 Isolation: 18 dB Min.
 Phase Bal.: 90° ±5.0° Max.
 VSWR: 1.25 Max..
 Amplitude Bal.: ±0.65 dB Max.
 Oper. Temp.: -55° to +85°C

MECHANICAL:

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 PALM CITY, FLORIDA 34990 | UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES: <table border="0"> <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. SMC90-1008 HYBRID COUPLER, SMT, 90 DEGREE 400-1000 MHz. 150 WATT | |
| | <u>DECIMALS</u> | <u>ANGULAR</u> | | | | | | | | | |
| .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. | CHECKED PD 9/18/19 DRAWN PD 9/18/19 CAGE CODE 7W5T7 | APPROVED PD 9/18/19 ENGINEER PD 9/18/19 SCALE 1:1 | SHEET 1 OF 1 | | | | | | | | |