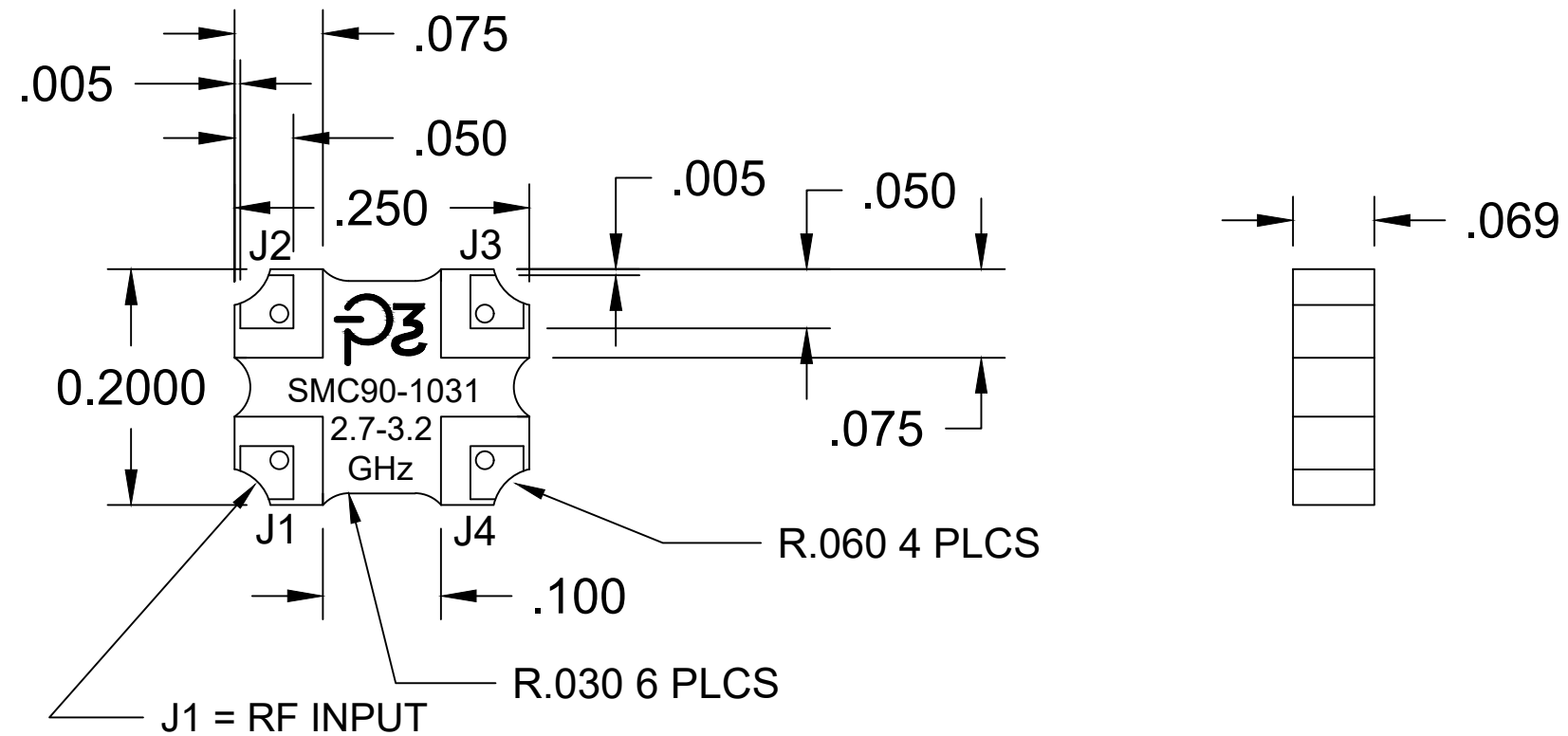


| REV | RELEASE | DESCRIPTION | APPR | DATE |
|-----|---------|-----------------|------|---------|
| A | NEW | INITIAL RELEASE | PD | 9/27/19 |



SPECIFICATIONS:

Frequency: 2700-3200 MHz.
 Power: 50 Watts CW
 Insertion Loss: 0.18 dB Max.
 Isolation: 23 dB Min.
 Phase Bal.: 90° ±3.0° Max.
 VSWR: 1.15 Max..
 Amplitude Bal.: ±0.20 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:

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

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PART NO.

SMC90-1031

HYBRID COUPLER, SMT, 90 DEG.
2700-3200 MHz.
50 WATT

| | | | | | |
|-----------|-------|---------|----------|-------|---------|
| CHECKED | PD | 9/27/19 | APPROVED | PD | 9/27/19 |
| DRAWN | PD | 9/27/19 | ENGINEER | PD | 9/27/19 |
| CAGE CODE | 7W5T7 | SCALE | 1:1 | SHEET | 1 OF 1 |