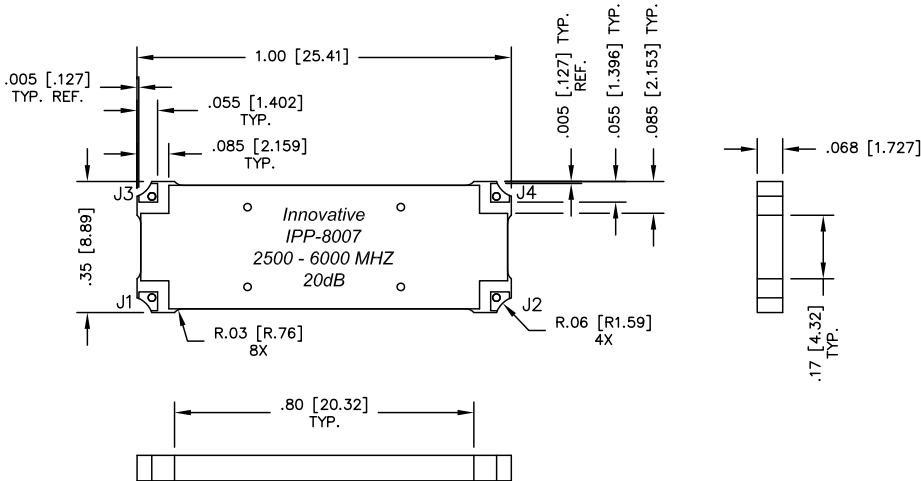


UNAUTHORIZED USE OF THIS
DRAWING IS STRICTLY PROHIBITED

| DAR | REV | DESCRIPTION | APPVD | DATE |
|------|-----|-----------------|-------|------|
| 2011 | A | INITIAL RELEASE | DG | 8-09 |
| 2951 | B | SEE DAR | TJD | 2-11 |



| FINISH | |
|------------|------------------|
| P/N | TYPE |
| IPP-8007 | TIN/LEAD |
| IPP-8007RT | RoHS MATTE TIN |
| IPP-8007RG | RoHS NICKEL GOLD |

NOTES:

1. SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.
2. PARTS WITH RoHS MATT TIN AND RoHS NICKEL GOLD FINISHES ARE RoHS COMPLIANT.
3. AVAILABLE IN TAPE AND REEL. SEE SMD COUPLER APPLICATION NOTE FOR FURTHER INFORMATION.

ELECTRICAL SPECIFICATIONS

| | |
|-------------------|------------------|
| FREQUENCY: | 2500 – 6000 MHz. |
| INSERTION LOSS: | <0.40 dB |
| VSWR: | <1.35:1 |
| COUPLING: | 20dB ±0.5 dB |
| DIRECTIVITY: | >14 dB |
| COUPLED FLATNESS: | <±0.5 dB |
| POWER: | 100 WATT |
| TEMPERATURE: | -55°C TO 85°C |

| PORT CONFIGURATION | | | |
|--------------------|--------|------------------------|------------------------|
| INPUT | OUTPUT | FORWARD COUPLED | REFLECTED COUPLED |
| J1 | J2 | J3 | J4 ADD 50Ω TERMINATION |
| J1 | J2 | J3 ADD 50Ω TERMINATION | J4 |
| J2 | J1 | J4 | J3 ADD 50Ω TERMINATION |
| J2 | J1 | J4 ADD 50Ω TERMINATION | J3 |

| | | | |
|-------------------|------------------|-------------|---|
| MATERIAL | DWN S.Cornell | DATE 8-7-09 | Innovative <i>Power</i> Products |
| FINISH | ENG TJD | DATE 8-7-09 | |
| SEE FINISH CHART | MANUF RR | DATE 8-7-09 | TITLE OUTLINE, SMD COUPLER |
| TOLERANCE | CAGE CODE: 437R2 | | BI-DIRECTIONAL, 2500 - 6000 MHz. 20dB 100W |
| .xx ±.02 [.50] | SHEET OF 1 1 | SCALE 4:1 | SIZE P/N IPP-8007 |
| .xxx ±.010 [.254] | | | REV. B |
| ANG. ±1/2° | | | |