

ELECTRICAL SPECIFICATIONS:

- 1.) FREQUENCY RANGE: 698 - 2700 MHz
- 2.) IMPEDANCE: 50 OHMS
- 3.) INSERTION LOSS (MAX): 0.4 dB (ABOVE 3.01 dB SPLIT)
- 4.) AMPLITUDE BALANCE (MAX): 0.2 dB
- 5.) PHASE BALANCE (MAX): 2 DEGREES
- 6.) ISOLATION (MIN): 22 dB
- 7.) INPUT VSWR (MAX): 1.25 : 1
- 8.) OUTPUT VSWR (MAX): 1.15 : 1

MECHANICAL SPECIFICATIONS:

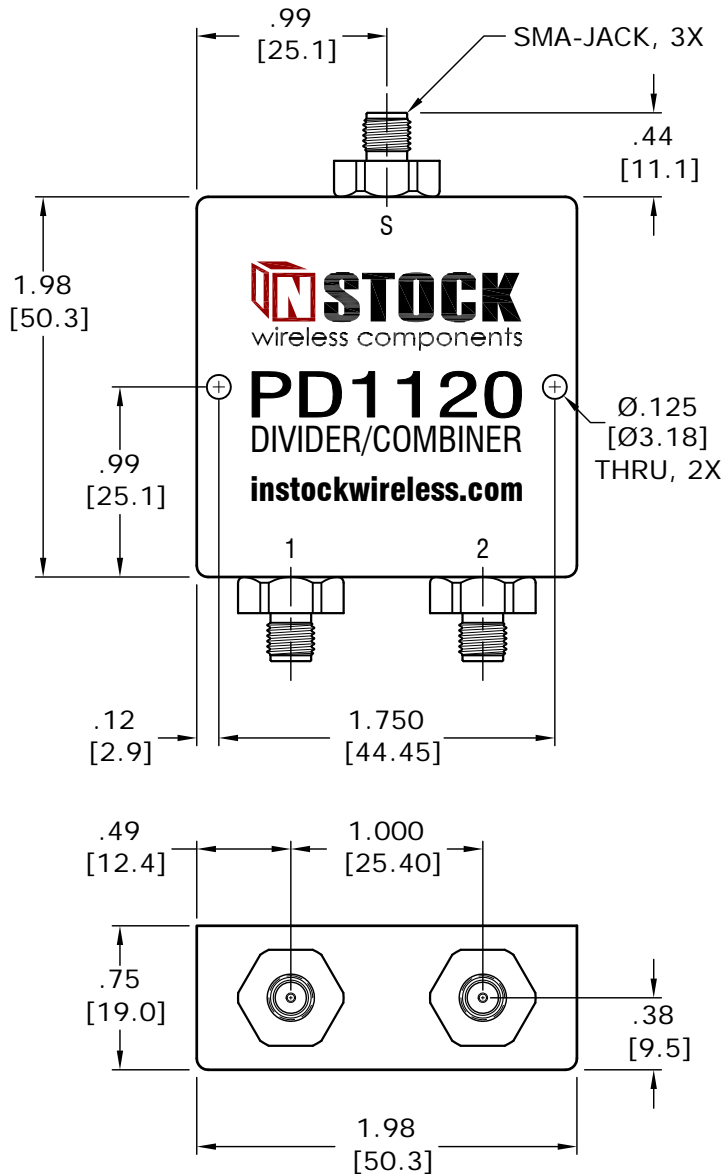
- 1.) CONNECTORS: SMA FEMALE (JACK), 50 OHM
- 2.) MATERIAL/FINISH:
 - A.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE, TARNISH RESISTANT & LOW PIM
 - B.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
 - C.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
 - D.) HOUSING: ALUMINUM, YELLOW IRIDITE
- 3.) OPERATING TEMP: -65°C TO +85°C
- 4.) WEIGHT: 114 GRAMS

RF INPUT POWER RATING (POWER DIVIDER SPLITTER):

| INTO MATCHED LOAD VSWR's | IN-PHASE | 180° OUT-OF-PHASE |
|--------------------------|----------|-------------------|
| 1.2 : 1 | 40 WATTS | 40 WATTS |
| 2.0 : 1 | 40 WATTS | 10 WATTS |
| ∞ | 20 WATTS | 1 WATT |

RF INPUT POWER RATING (POWER COMBINER):

| | |
|--------------------------------------|---------------|
| COHERENT SIGNALS (IN-PHASE) | 2 X 20 WATTS |
| COHERENT SIGNALS (180° OUT-OF-PHASE) | 2 X 0.5 WATTS |
| NON-COHERENT SIGNALS | 2 X 1 WATT |
| OTHER CONDITIONS - CONSULT FACTORY | |



| REV | DESCRIPTION | BY | DATE |
|-----|-------------|----|------|
| | | | |

| TOLERANCES | |
|----------------|----------------|
| INCHES | MILLIMETERS |
| .00 = ±.01 | .0 = ±.25 |
| .000 = ±.004 | .00 = ±.10 |
| DRAWN: MJD | APPROVED: EMM |
| DATE: 03/28/07 | DATE: 03/28/07 |

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| MODEL NO. | PD1120 |
| TITLE | 2 WAY, POWER DIVIDER COMBINER, SMA FEMALE, 0.698-2.700 GHz, 40W, 50 OHM, 0 DEGREE (IN-PHASE) |