

ELECTRICAL SPECIFICATIONS:

- 1.) FREQUENCY RANGE: 700 - 2700 MHz
- 2.) IMPEDANCE: 50 OHMS
- 3.) INSERTION LOSS (MAX): 1.1 dB (ABOVE 7.78 dB SPLIT)
- 4.) AMPLITUDE BALANCE (MAX): 0.4 dB
- 5.) PHASE BALANCE (MAX): 6 DEGREES
- 6.) ISOLATION (MIN): 18 dB
- 7.) INPUT VSWR (MAX): 1.40 : 1
- 8.) OUTPUT VSWR (MAX): 1.25 : 1
- 9.) DC VOLTAGE (MAX): 50 VOLTS

MECHANICAL SPECIFICATIONS:

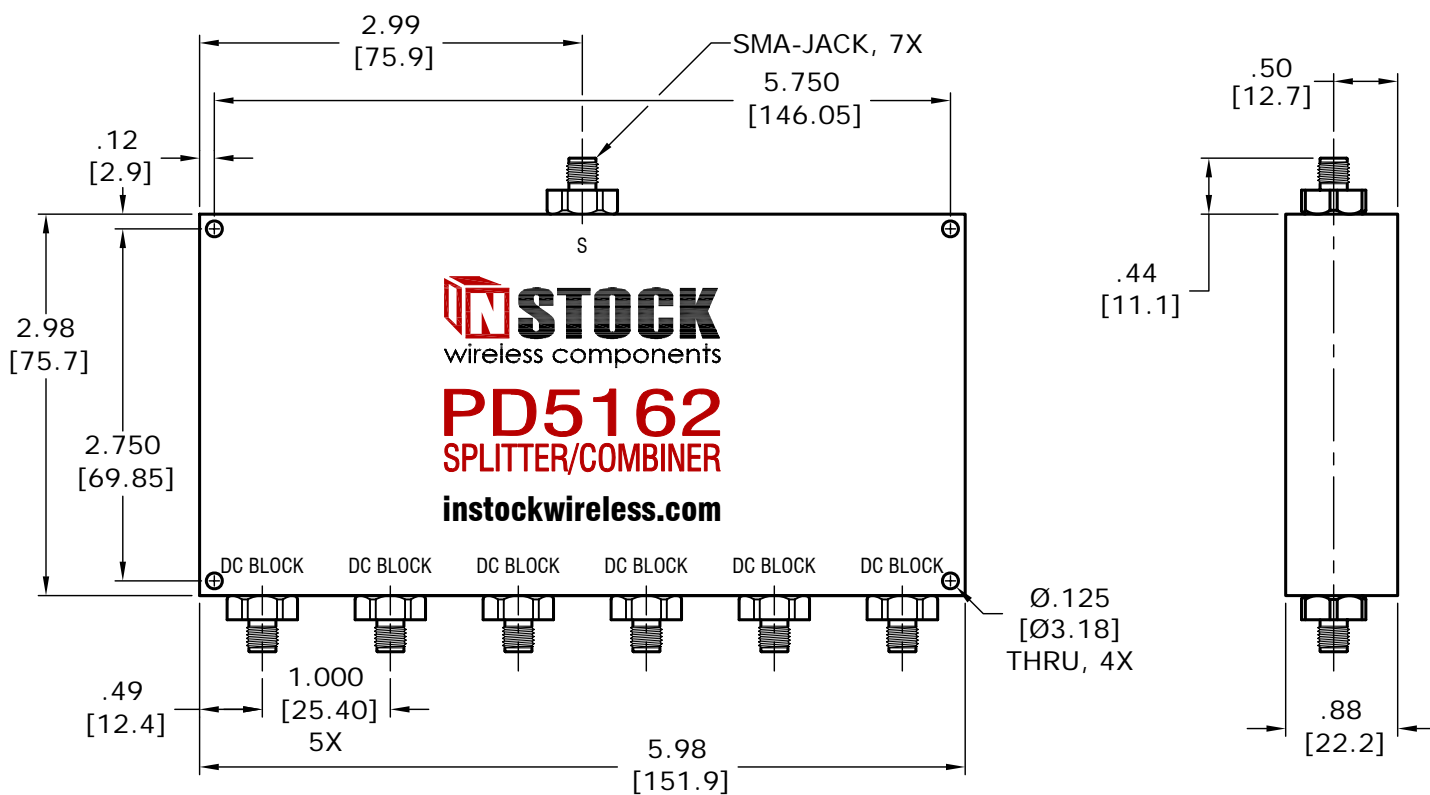
- 1.) CONNECTORS: SMA FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 568 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 | 20 WATTS |
| ∞ | 20 WATTS | 2 WATTS |

RF INPUT POWER RATING (POWER COMBINER):

| | |
|--------------------------------------|----------------|
| COHERENT SIGNALS (IN-PHASE) | 6 X 6.67 WATTS |
| COHERENT SIGNALS (180° OUT-OF-PHASE) | 6 X 0.33 WATTS |
| NON-COHERENT SIGNALS | 6 X 0.66 WATTS |
| OTHER CONDITIONS - CONSULT FACTORY | |



6-way, DC blocking power splitter combiner; DC block six (6) ports. Typically used to prevent passing DC current in combining applications to sum or adjacent port.

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

| TOLERANCES | |
|----------------|----------------|
| INCHES | MILLIMETERS |
| .00 = ±.01 | .0 = ±.25 |
| .000 = ±.004 | .00 = ±.10 |
| DRAWN: MJD | APPROVED: EMM |
| DATE: 12/24/07 | DATE: 12/24/07 |

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MODEL NO.
PD5162
TITLE DC BLOCKING POWER DIVIDER, 6 WAY,
SMA FEMALE, 0.7 - 2.7 GHz, 40 WATT,
RoHS, DC BLOCK SIX (6) PORTS.