

ELECTRICAL SPECIFICATIONS:

- 1.) FREQUENCY RANGE: 698 - 2700 MHz
- 2.) IMPEDANCE: 50 OHMS
- 3.) INSERTION LOSS (MAX): 1.3 dB (ABOVE 9.03 dB SPLIT)
- 4.) AMPLITUDE BALANCE (MAX): 0.5 dB
- 5.) PHASE BALANCE (MAX): 6 DEGREES
- 6.) ISOLATION (MIN): 22 dB
- 7.) INPUT VSWR (MAX): 1.40 : 1
- 8.) OUTPUT VSWR (MAX): 1.20 : 1
- 9.) DC VOLTAGE (MAX): 50 VOLTS

MECHANICAL SPECIFICATIONS:

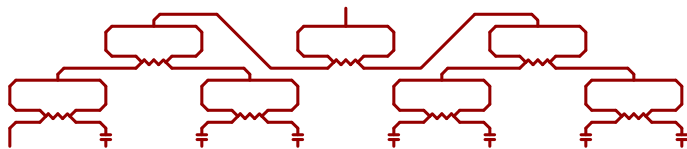
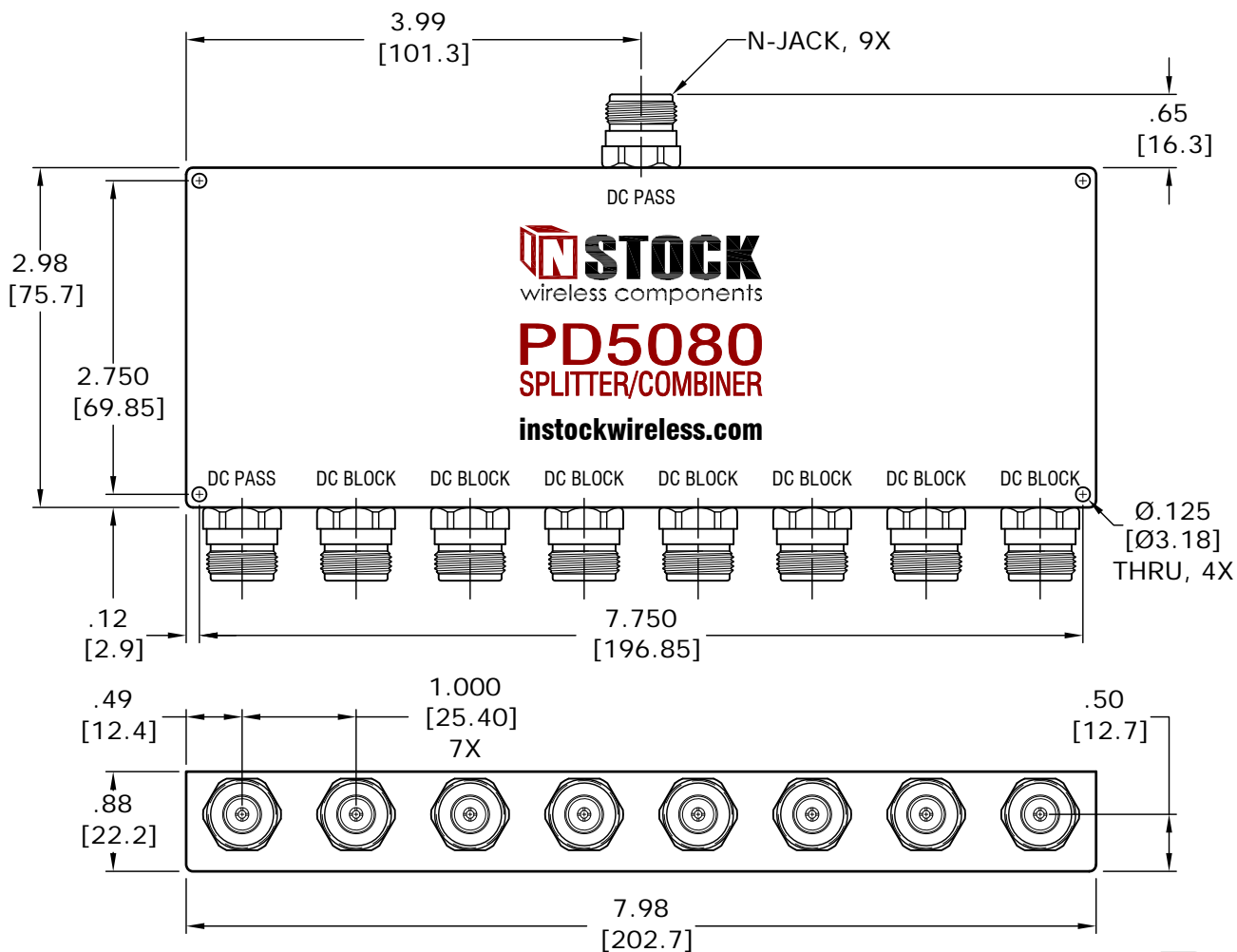
- 1.) CONNECTORS: TYPE-N FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: PHOSPHOR BRONZE, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 864 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 | 40 WATTS |
| ∞ | 20 WATTS | 4 WATTS |

RF INPUT POWER RATING (POWER COMBINER):

| | |
|--------------------------------------|---------------|
| COHERENT SIGNALS (IN-PHASE) | 8 X 5 WATTS |
| COHERENT SIGNALS (180° OUT-OF-PHASE) | 8 X 0.5 WATTS |
| NON-COHERENT SIGNALS | 8 X 1 WATT |
| OTHER CONDITIONS - CONSULT FACTORY | |



8-way, DC blocking power splitter; DC pass one (1) port, DC block seven (7) ports. Typically used for powering an active antenna through the power divider-splitter.

| REV | DESCRIPTION | BY | DATE | TOLERANCES | |  wireless components www.instockwireless.com | MODEL NO. |
|-----|-------------|----|------|----------------|----------------|--|---|
| | | | | INCHES | MILLIMETERS | | PD5080 |
| | | | | .00 = ±.01 | .0 = ±.25 | | TITLE DC BLOCKING POWER DIVIDER, 8 WAY, N-TYPE JACK, 0.698 - 2.700 GHz, 40W, RoHS, DC BLOCK SEVEN (7) PORTS |
| | | | | .000 = ±.004 | .00 = ±.10 | | |
| | | | | DRAWN: MJD | APPROVED: EMM | | |
| | | | | DATE: 12/24/07 | DATE: 12/24/07 | | |