

**ELECTRICAL SPECIFICATIONS:**

- 1.) FREQUENCY RANGE: 698 - 2700 MHz
- 2.) IMPEDANCE: 50 OHMS
- 3.) INSERTION LOSS (MAX): 1.8 dB (ABOVE 12.04 dB SPLIT)
- 4.) AMPLITUDE BALANCE (MAX): 0.6 dB
- 5.) PHASE BALANCE (MAX): 10 DEGREES
- 6.) ISOLATION (MIN): 20 dB
- 7.) INPUT VSWR (MAX): 1.50 : 1
- 8.) OUTPUT VSWR (MAX): 1.20 : 1

**MECHANICAL SPECIFICATIONS:**

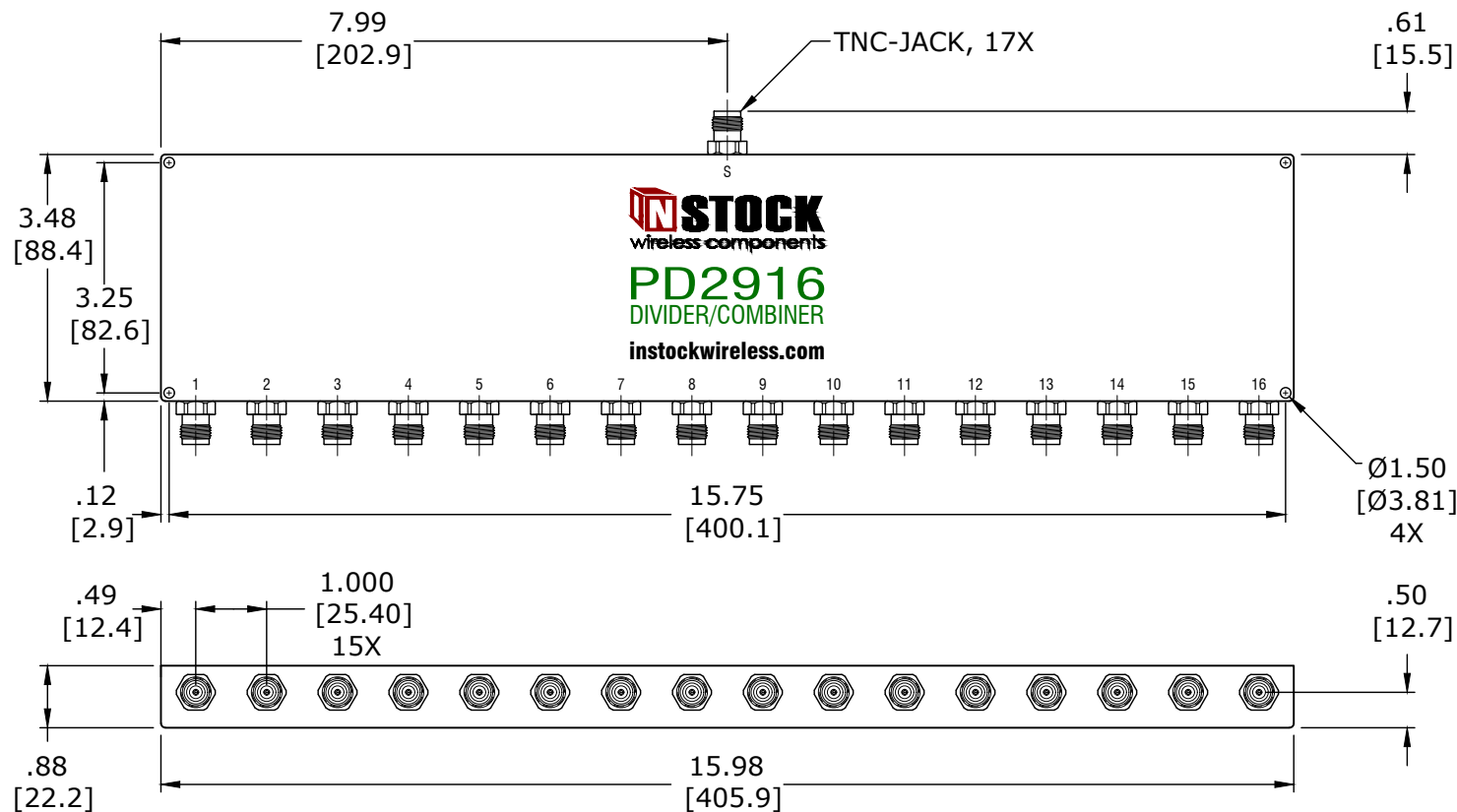
- 1.) CONNECTORS: TNC FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 1704 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 | 8 WATTS           |

**RF INPUT POWER RATING (POWER COMBINER):**

|                                      |                |
|--------------------------------------|----------------|
| COHERENT SIGNALS (IN-PHASE)          | 16 X 2.5 WATTS |
| COHERENT SIGNALS (180° OUT-OF-PHASE) | 16 X 0.5 WATTS |
| NON-COHERENT SIGNALS                 | 16 X 1 WATT    |
| OTHER CONDITIONS - CONSULT FACTORY   |                |



**INSTOCK**  
wireless components  
**PD2916**  
DIVIDER/COMBINER  
instockwireless.com

**RoHS**

|     |             |    |      |                |                |  |   |
|-----|-------------|----|------|----------------|----------------|--|---|
| REV | DESCRIPTION | BY | DATE | TOLERANCES     |                |  | MODEL NO.<br><b>PD2916</b>  |
|     |             |    |      | INCHES         | MILLIMETERS    |  |   |
|     |             |    |      | .00 = ±.01     | .0 = ±.25      |  | TITLE<br>16 WAY POWER DIVIDER COMBINER,<br>TNC FEMALE, 0.698 - 2.700 GHz, 40W,<br>50 OHM, 0 DEGREE (IN-PHASE), RoHS |
|     |             |    |      | .000 = ±.004   | .00 = ±.10     |  |   |
|     |             |    |      | DRAWN: MJD     | APPROVED: EMM  |  |   |
|     |             |    |      | DATE: 01/24/08 | DATE: 01/24/08 |  |   |