

ELECTRICAL SPECIFICATIONS:

- 1.) FREQUENCY RANGE: 350 - 1000 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): 8 DEGREES
- 6.) ISOLATION (MIN): 20 dB
- 7.) INPUT VSWR (MAX): 1.50 : 1
- 8.) OUTPUT VSWR (MAX): 1.20 : 1

MECHANICAL SPECIFICATIONS:

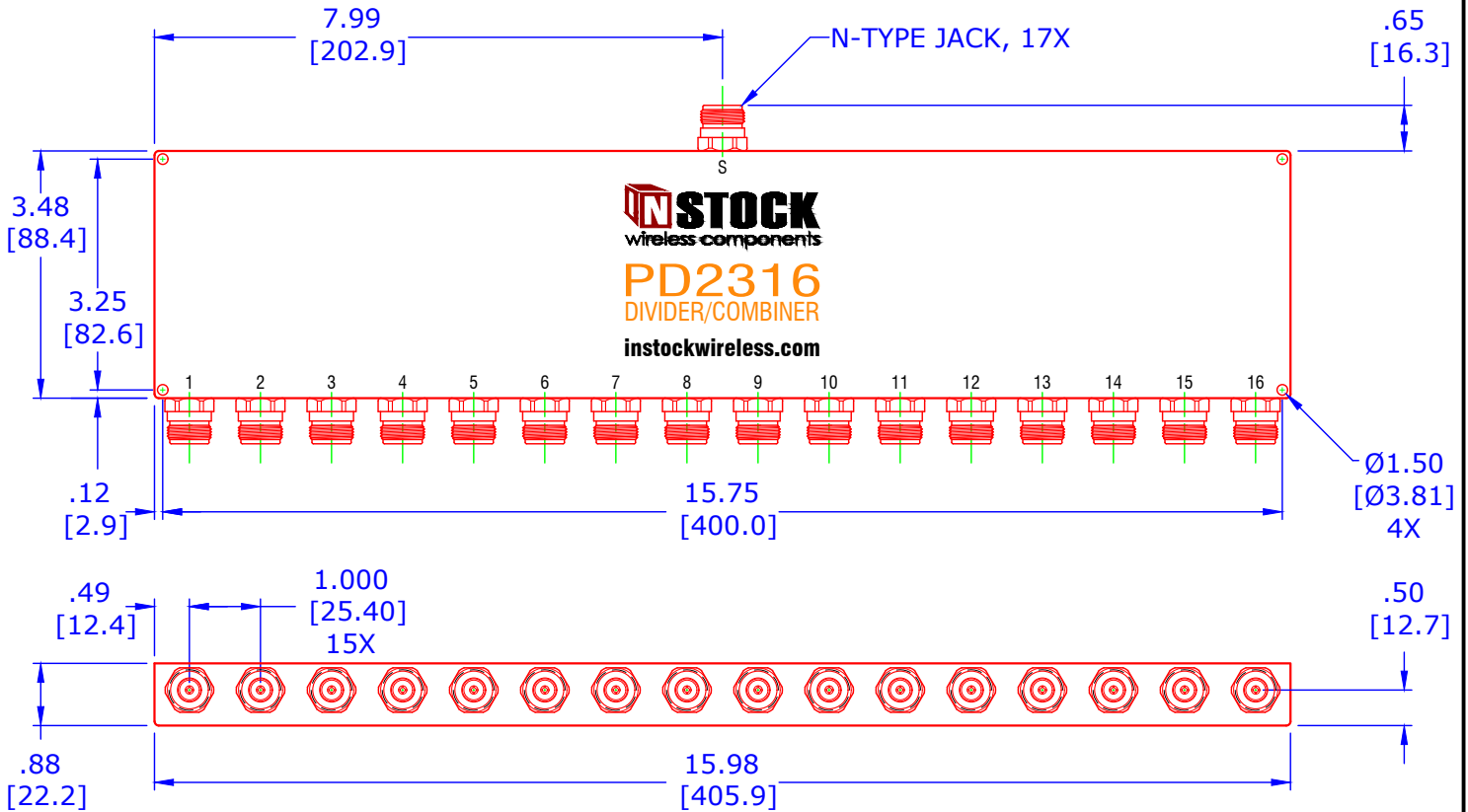
- 1.) CONNECTORS: TYPE-N FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: PHOSPHOR BRONZE, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 1920 GRAMS


RF INPUT POWER RATING (POWER DIVIDER SPLITTER):

| INTO MATCHED LOAD VSWR's | IN-PHASE | 180° OUT-OF-PHASE |
|--------------------------|----------|-------------------|
| 1.2 : 1 | 30 WATTS | 30 WATTS |
| 2.0 : 1 | 30 WATTS | 30 WATTS |
| ∞ | 15 WATTS | 6 WATTS |

RF INPUT POWER RATING (POWER COMBINER):

| | |
|--------------------------------------|------------------|
| COHERENT SIGNALS (IN-PHASE) | 16 X 1.875 WATTS |
| COHERENT SIGNALS (180° OUT-OF-PHASE) | 16 X 0.375 WATTS |
| NON-COHERENT SIGNALS | 16 X 0.75 WATTS |
| OTHER CONDITIONS - CONSULT FACTORY | |



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|-----|-------------|----|------|----------------|----------------|--|--|
| REV | DESCRIPTION | BY | DATE | TOLERANCES | |  | MODEL NO. |
| | | | | INCHES | MILLIMETERS | | PD2316 |
| | | | | .00 = ±.01 | .0 = ±.25 | www.instockwireless.com | TITLE |
| | | | | .000 = ±.004 | .00 = ±.10 | | 16 WAY POWER DIVIDER COMBINER, TYPE N FEMALE, 350-1000 MHz, 30W, 50 OHM, 0 DEGREE (IN-PHASE), RoHS |
| | | | | DRAWN: MJD | APPROVED: EMM | | |
| | | | | DATE: 01/24/08 | DATE: 01/24/08 | | |