

ELECTRICAL SPECIFICATIONS:

- 1.) FREQUENCY RANGE: 350 - 1000 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): 1.35 : 1
- 8.) OUTPUT VSWR (MAX): 1.15 : 1

MECHANICAL SPECIFICATIONS:

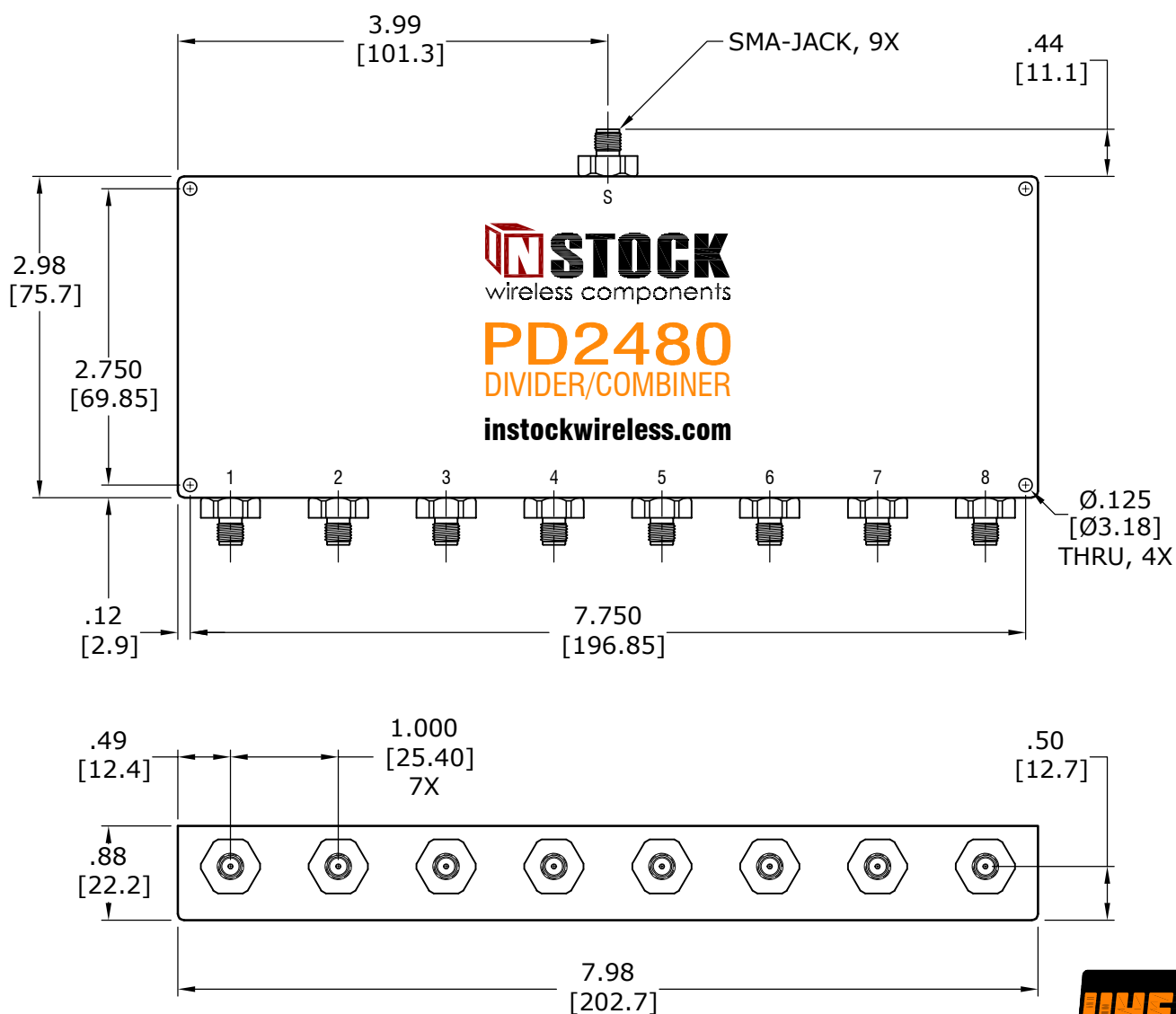
- 1.) CONNECTORS: SMA FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 740 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 | 3 WATTS |

RF INPUT POWER RATING (POWER COMBINER):

| | |
|--------------------------------------|-----------------|
| COHERENT SIGNALS (IN-PHASE) | 8 X 3.75 WATTS |
| COHERENT SIGNALS (180° OUT-OF-PHASE) | 8 X 0.375 WATTS |
| NON-COHERENT SIGNALS | 8 X 0.75 WATTS |
| OTHER CONDITIONS - CONSULT FACTORY | |



| REV | DESCRIPTION | BY | DATE | TOLERANCES | |  www.instockwireless.com | MODEL NO. |
|-----|-------------|----|------|----------------|----------------|---|--|
| | | | | INCHES | MILLIMETERS | | PD2480 |
| | | | | .00 = ±.01 | .0 = ±.25 | | TITLE 8 WAY POWER DIVIDER COMBINER, SMA FEMALE, 350 - 1000 MHz, 30W, 50 OHM, 0 DEGREE (IN-PHASE), RoHS |
| | | | | .000 = ±.004 | .00 = ±.10 | | |
| | | | | DRAWN: KMG | APPROVED: MJD | | |
| | | | | DATE: 01/23/18 | DATE: 01/23/18 | | |