

**ELECTRICAL SPECIFICATIONS:**

- 1.) FREQUENCY RANGE: 2400 - 6000 MHz
- 2.) IMPEDANCE: 50 OHMS
- 3.) INSERTION LOSS (MAX): 0.8 dB (ABOVE 4.77 dB SPLIT)
- 4.) AMPLITUDE BALANCE (MAX): 0.3 dB
- 5.) PHASE BALANCE (MAX): 4 DEGREES
- 6.) ISOLATION (MIN): 17 dB
- 7.) INPUT VSWR (MAX): 1.50 : 1
- 8.) OUTPUT VSWR (MAX): 1.40 : 1

**MECHANICAL SPECIFICATIONS:**

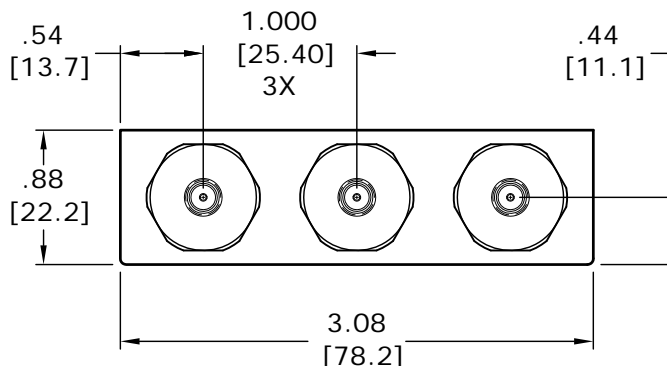
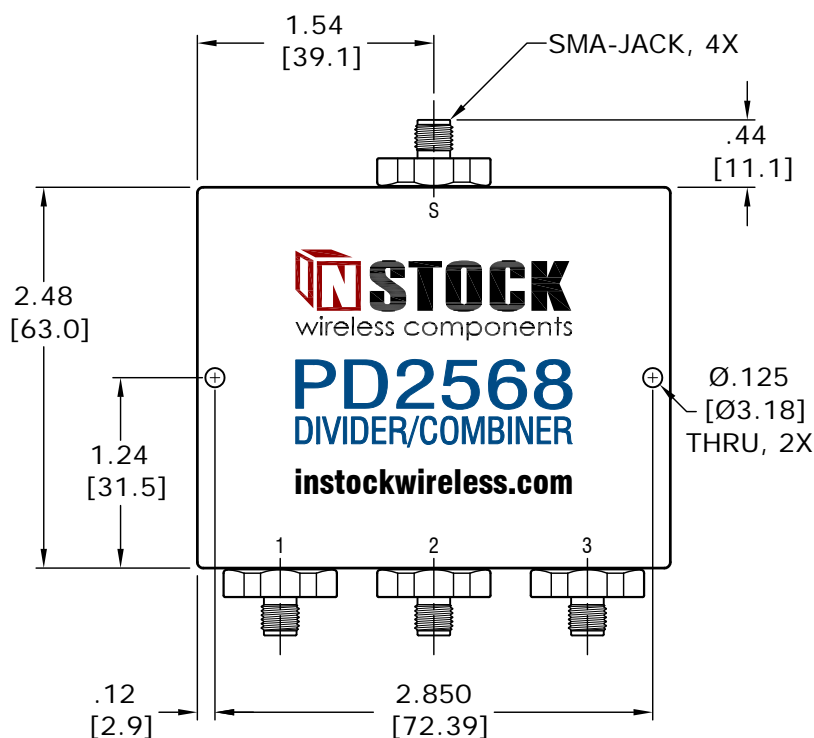
- 1.) CONNECTORS: SMA FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM FILM
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) PROTECTION RATING: IP67 WATER AND WEATHER RESISTANT
- 8.) OPERATING TEMP: -65°C TO +85°C
- 9.) WEIGHT: 275 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 | 15 WATTS          |
| ∞                        | 15 WATTS | 1.5 WATTS         |

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

|                                      |               |
|--------------------------------------|---------------|
| COHERENT SIGNALS (IN-PHASE)          | 3 X 10 WATTS  |
| COHERENT SIGNALS (180° OUT-OF-PHASE) | 3 X 0.5 WATTS |
| NON-COHERENT SIGNALS                 | 3 X 1 WATTS   |
| OTHER CONDITIONS - CONSULT FACTORY   |               |



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

| TOLERANCES     |                |
|----------------|----------------|
| INCHES         | MILLIMETERS    |
| .00 = ±.01     | .0 = ±.25      |
| .000 = ±.004   | .00 = ±.10     |
| DRAWN: MJD     | APPROVED: EMM  |
| DATE: 07/26/11 | DATE: 07/26/11 |

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|           |  |
|-----------|--|
| MODEL NO. | <b>PD2568</b>  |
| TITLE     | 3 WAY POWER DIVIDER COMBINER, SMA, 2400 - 6000 MHz, 30W, 50 OHM, 0 DEGREE, (IN-PHASE), RoHS, IP67 WEATHERPROOF |