

**ELECTRICAL SPECIFICATIONS:**

- 1.) FREQUENCY RANGE: 698 - 2700 MHz
- 2.) IMPEDANCE: 50 OHMS
- 3.) INSERTION LOSS (MAX): 0.7 dB (ABOVE 4.77 dB SPLIT)
- 4.) AMPLITUDE BALANCE (MAX): 0.2 dB
- 5.) PHASE BALANCE (MAX): 3 DEGREES
- 6.) ISOLATION (MIN): 18 dB
- 7.) INPUT VSWR (MAX): 1.35 : 1
- 8.) OUTPUT VSWR (MAX): 1.25 : 1

**MECHANICAL SPECIFICATIONS:**

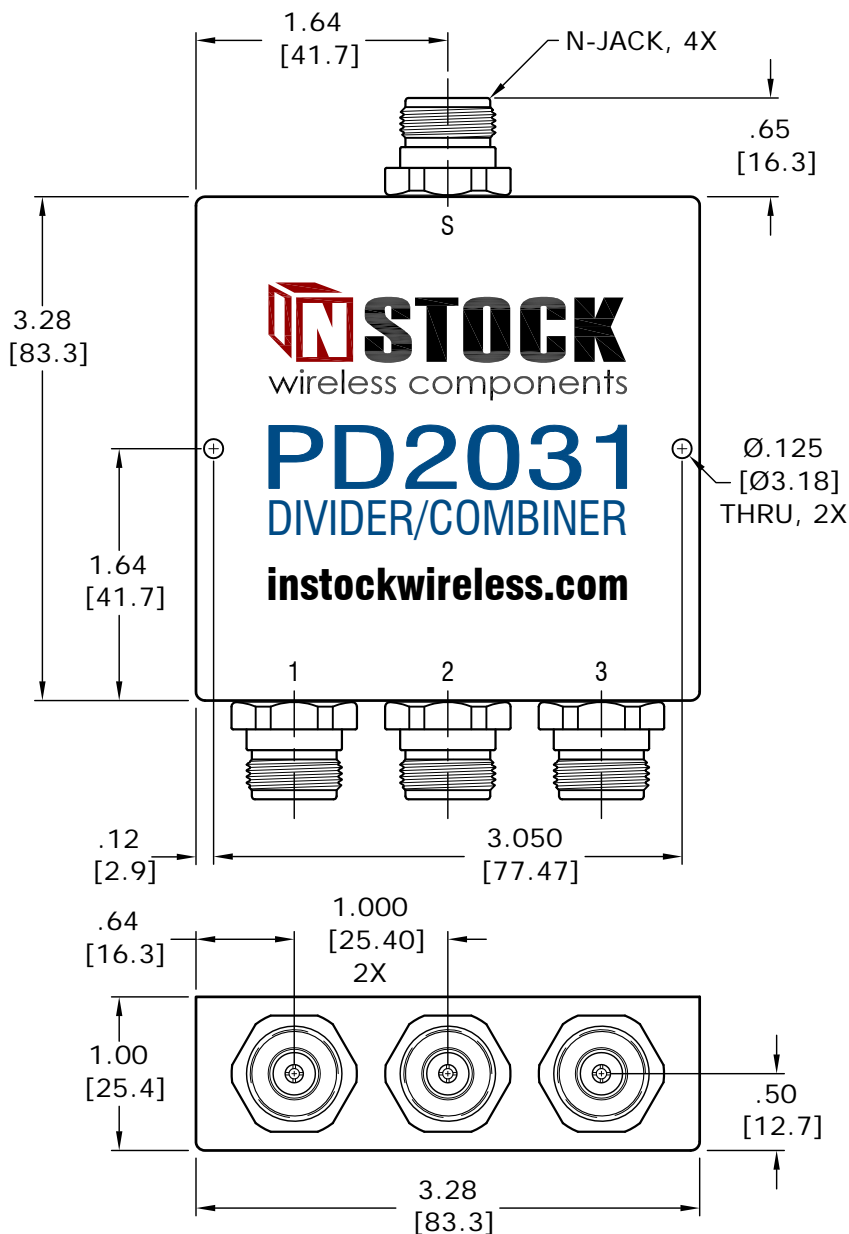
- 1.) CONNECTORS: TYPE-N FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: PHOSPHOR BRONZE, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM FILM
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) PROTECTION RATING: IP67 WATER AND WEATHER RESISTANT
- 8.) OPERATING TEMP: -65°C TO +85°C
- 9.) WEIGHT: 480 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	20 WATTS
∞	20 WATTS	2 WATTS

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

COHERENT SIGNALS (IN-PHASE)	3 X 13.3 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	3 X 0.66 WATTS
NON-COHERENT SIGNALS	3 X 1.33 WATTS
OTHER CONDITIONS - CONSULT FACTORY	



TOLERANCES	
INCHES	MILLIMETERS
.00 = ±.01	.0 = ±.25
.000 = ±.004	.00 = ±.10
DRAWN: MJD	APPROVED: EMM
DATE: 07/01/08	DATE: 07/01/08



MODEL NO.	<b>PD2031</b>
TITLE 3 WAY POWER DIVIDER COMBINER, N-TYPE, 0.698-2.700 GHz, 40W, 50 OHM, IN-PHASE, RoHS, IP67 WEATHERPROOF	

REV	DESCRIPTION	BY	DATE