

**ELECTRICAL SPECIFICATIONS:**

- 1.) FREQUENCY RANGE: 698 - 2700 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): 1.40 : 1
- 8.) OUTPUT VSWR (MAX): 1.15 : 1

**MECHANICAL SPECIFICATIONS:**

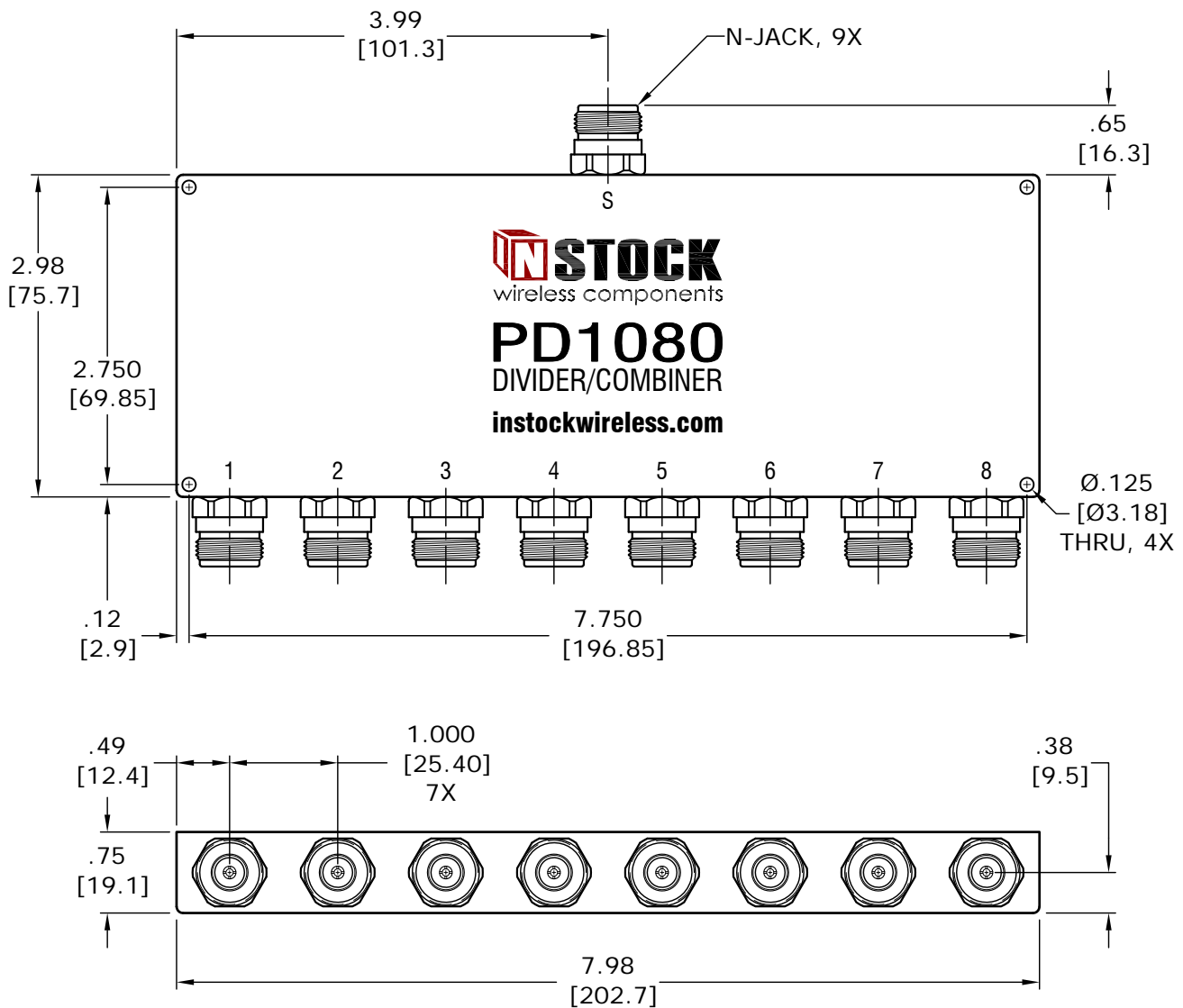
- 1.) CONNECTORS: TYPE-N FEMALE (JACK), 50 OHM
- 2.) MATERIAL/FINISH:
  - A.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE, TARNISH RESISTANT & LOW PIM
  - B.) CONNECTOR PIN: PHOSPHOR BRONZE, GOLD PLATE
  - C.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
  - D.) HOUSING: ALUMINUM, YELLOW IRIDITE
- 3.) OPERATING TEMP: -65°C TO +85°C
- 4.) WEIGHT: 722 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	4 WATTS

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

COHERENT SIGNALS (IN-PHASE)	8 X 5 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	8 X 0.5 WATTS
NON-COHERENT SIGNALS	8 X 1 WATT
OTHER CONDITIONS - CONSULT FACTORY	



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DIVIDER/COMBINER  
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TOLERANCES	
INCHES	MILLIMETERS
.00 = ±.01	.0 = ±.25
.000 = ±.004	.00 = ±.10
DRAWN: MJD	APPROVED: EMM
DATE: 03/28/07	DATE: 03/28/07

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MODEL NO.  
**PD1080**  
TITLE 8 WAY POWER DIVIDER COMBINER,  
N-TYPE JACK, 0.698-2.700 GHz, 40W,  
50 OHM, 0 DEGREE (IN-PHASE)

REV	DESCRIPTION	BY	DATE