

**ELECTRICAL SPECIFICATIONS:**

- 1.) FREQUENCY RANGE: 700 - 2700 MHz
- 2.) IMPEDANCE: 50 OHMS
- 3.) INSERTION LOSS (MAX): 1.1 dB (ABOVE 7.78 dB SPLIT)
- 4.) AMPLITUDE BALANCE (MAX): 0.3 dB
- 5.) PHASE BALANCE (MAX): 5 DEGREES
- 6.) ISOLATION (MIN): 18 dB
- 7.) INPUT VSWR (MAX): 1.40 : 1
- 8.) OUTPUT VSWR (MAX): 1.20 : 1

**MECHANICAL SPECIFICATIONS:**

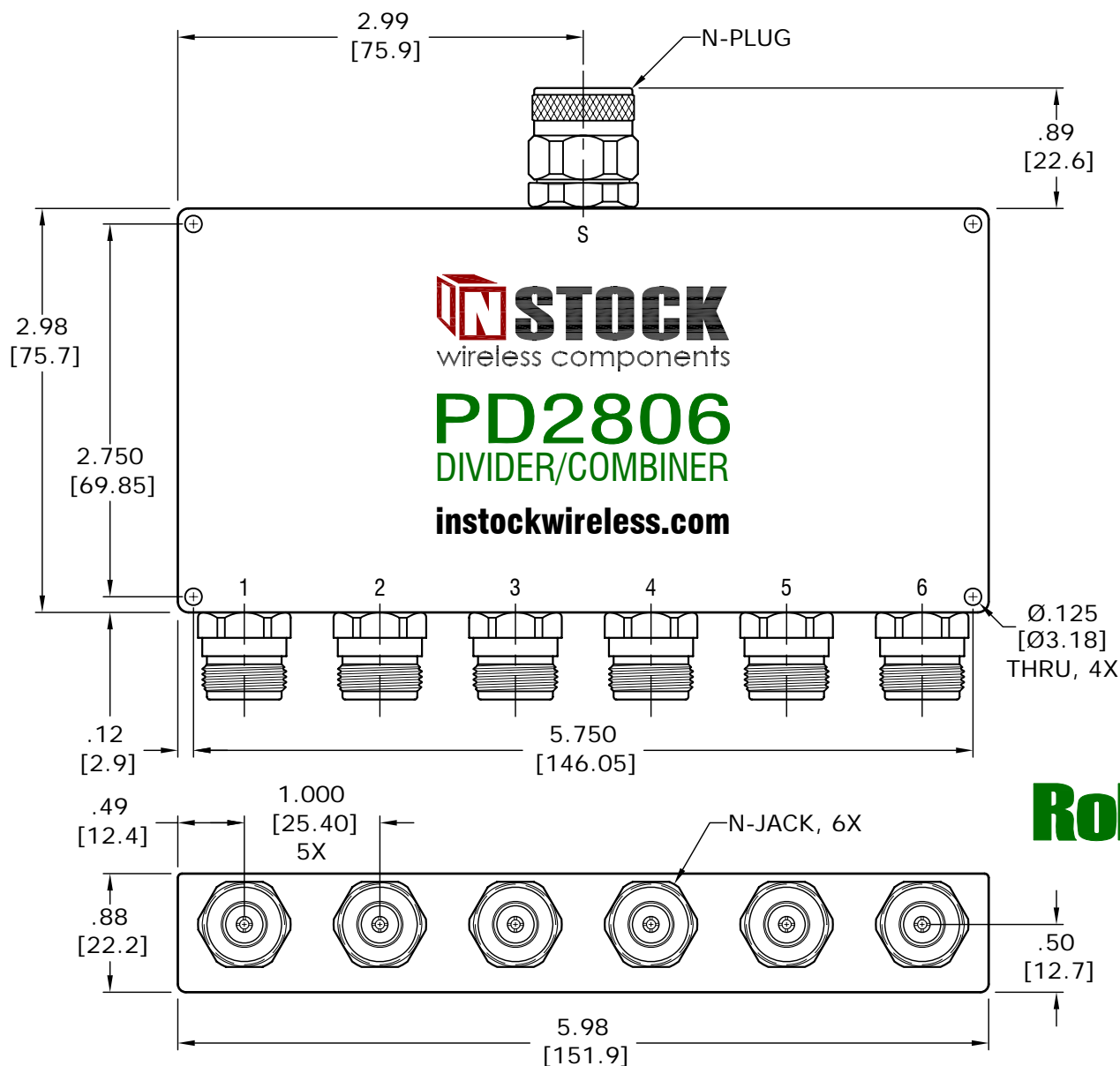
- 1.) CONNECTORS: N-TYPE PLUG & JACK, 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: BRASS & PHOSPHOR BRONZE, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 664 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)	6 X 6.67 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	6 X 0.66 WATTS
NON-COHERENT SIGNALS	6 X 1.33 WATTS
OTHER CONDITIONS - CONSULT FACTORY	



**RoHS**

TOLERANCES	
INCHES	MILLIMETERS
.00 = ±.01	.0 = ±.25
.000 = ±.004	.00 = ±.10
DRAWN: TRD	APPROVED: MJD
DATE: 4/15/20	DATE: 4/15/20

**IN STOCK**  
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MODEL NO. **PD2806**  
TITLE 6 WAY POWER SPLITTER COMBINER, TYPE N CONNECTORS, 0.7-2.7 GHz, 40W, 50 OHM, 0 DEGREE (IN-PHASE), RoHS

REV	DESCRIPTION	BY	DATE