

**ELECTRICAL SPECIFICATIONS:**

- 1.) FREQUENCY RANGE: 350 - 1000 MHz
- 2.) IMPEDANCE: 50 OHMS
- 3.) INSERTION LOSS (MAX): 0.7 dB (ABOVE 4.77 dB SPLIT)
- 4.) AMPLITUDE BALANCE (MAX): 0.3 dB
- 5.) PHASE BALANCE (MAX): 4 DEGREES
- 6.) ISOLATION (MIN): 18 dB
- 7.) INPUT VSWR (MAX): 1.35 : 1
- 8.) OUTPUT VSWR (MAX): 1.20 : 1

**MECHANICAL SPECIFICATIONS:**

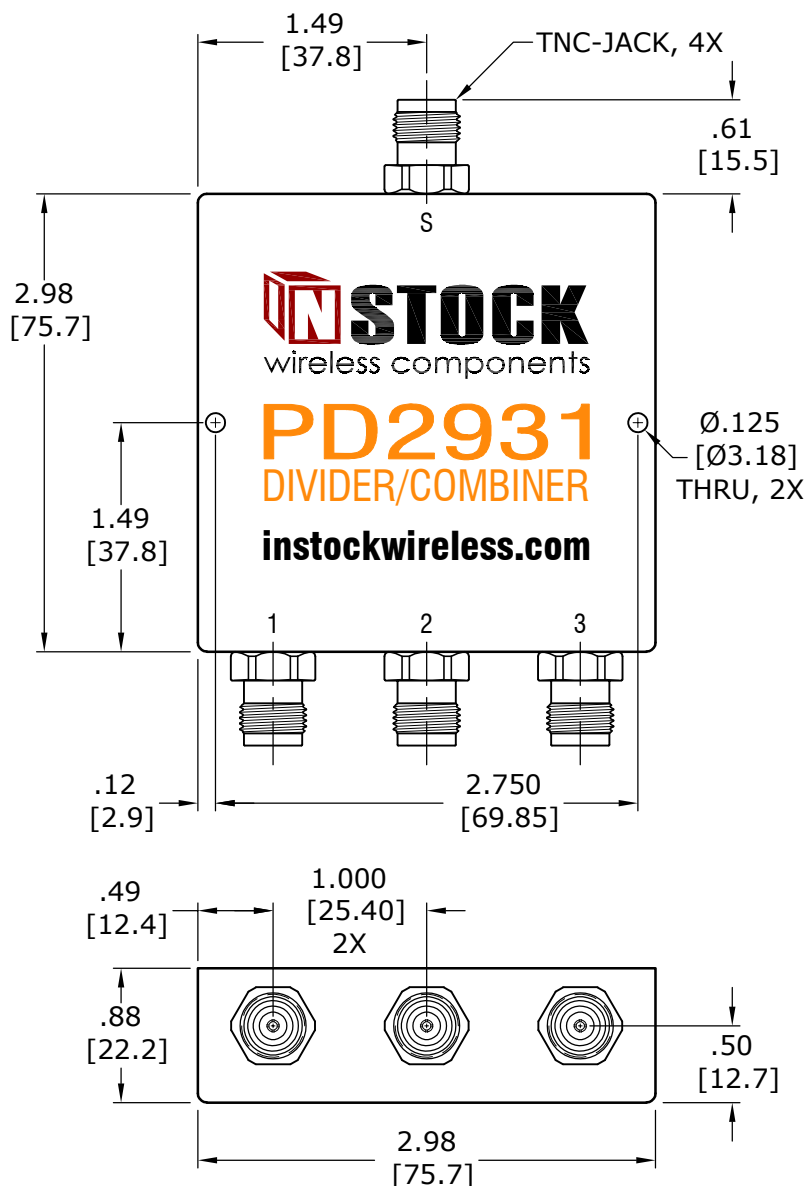
- 1.) CONNECTORS: TNC FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 296 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	7.5 WATTS
∞	15 WATTS	0.75 WATTS

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

COHERENT SIGNALS (IN-PHASE)	3 X 10 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	3 X 0.25 WATTS
NON-COHERENT SIGNALS	3 X 0.5 WATTS
OTHER CONDITIONS - CONSULT FACTORY	



REV	DESCRIPTION	BY	DATE

TOLERANCES	
INCHES	MILLIMETERS
.00 = ±.01	.0 = ±.25
.000 = ±.004	.00 = ±.10
DRAWN: KMG	APPROVED: MJD
DATE: 01/23/18	DATE: 01/23/18

**INSTOCK**  
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MODEL NO.	<b>PD2931</b>
TITLE	3 WAY POWER DIVIDER COMBINER, TNC-JACK, 350 - 1000 MHz, 30 WATT, 50 OHM, 0 DEGREE (IN-PHASE), RoHS