

ELECTRICAL SPECIFICATIONS:

- 1.) FREQUENCY RANGE: 700 - 2700 MHz
- 2.) IMPEDANCE: 50 OHMS
- 3.) INSERTION LOSS (MAX): 0.6 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): 1.20 : 1

MECHANICAL SPECIFICATIONS:

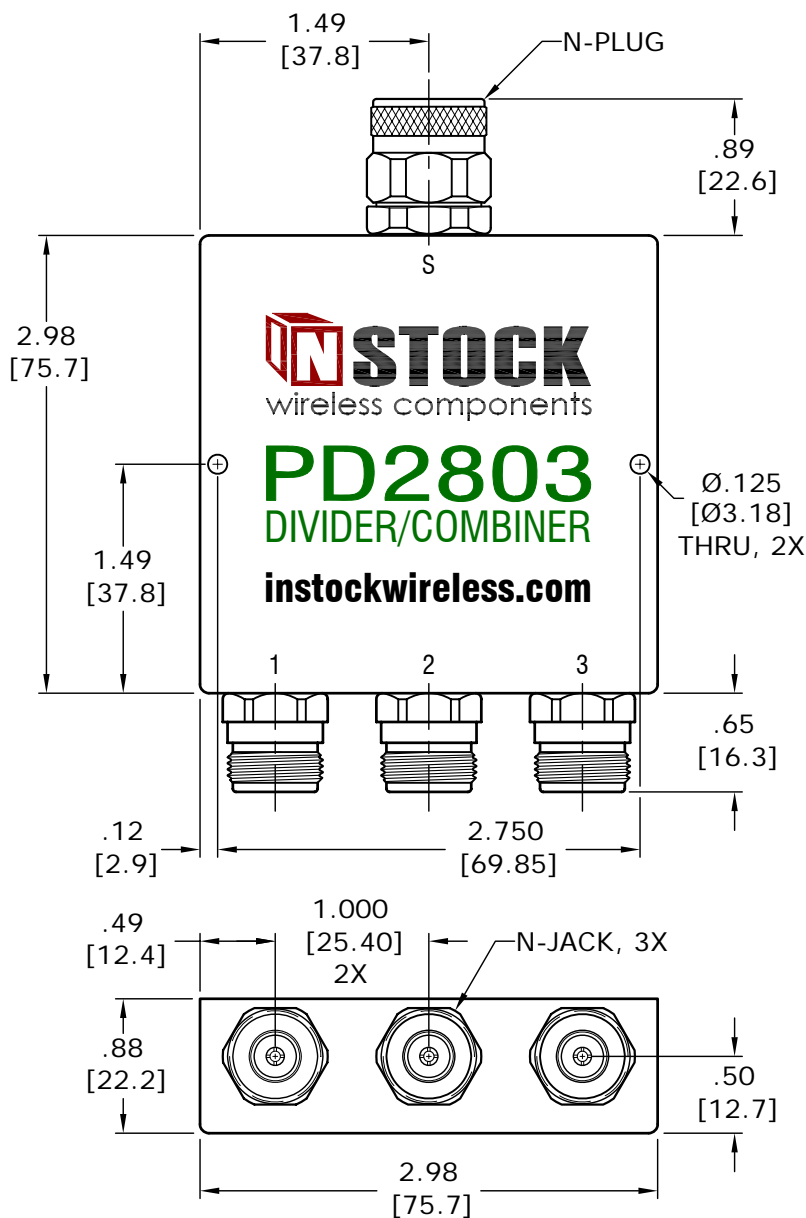
- 1.) CONNECTORS: N TYPE PLUG & JACK, 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: BRASS & PHOSPHOR BRONZE, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 360 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	



RoHS

TOLERANCES

INCHES		MILLIMETERS	
.00 = ±.01	.0 = ±.25	.00 = ±.01	.0 = ±.25
.000 = ±.004	.00 = ±.10		
DRAWN: MJD	APPROVED: EMM		
DATE: 02/21/12	DATE: 02/21/12		

INSTOCK
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MODEL NO.
PD2803

TITLE
3 WAY POWER SPLITTER COMBINER,
TYPE N CONNECTORS, 0.7-2.7 GHz, 40W,
50 OHM, 0 DEGREE (IN-PHASE), RoHS

REV	DESCRIPTION	BY	DATE