

ELECTRICAL SPECIFICATIONS:

- 1.) FREQUENCY RANGE: 350 - 1000 MHz
- 2.) IMPEDANCE: 50 OHMS
- 3.) INSERTION LOSS (MAX): 1.4 dB (ABOVE 10.79 dB SPLIT)
- 4.) AMPLITUDE BALANCE (MAX): 0.4 dB
- 5.) PHASE BALANCE (MAX): 7 DEGREES
- 6.) ISOLATION (MIN): 18 dB
- 7.) INPUT VSWR (MAX): 1.45 : 1
- 8.) OUTPUT VSWR (MAX): 1.25 : 1

MECHANICAL SPECIFICATIONS:

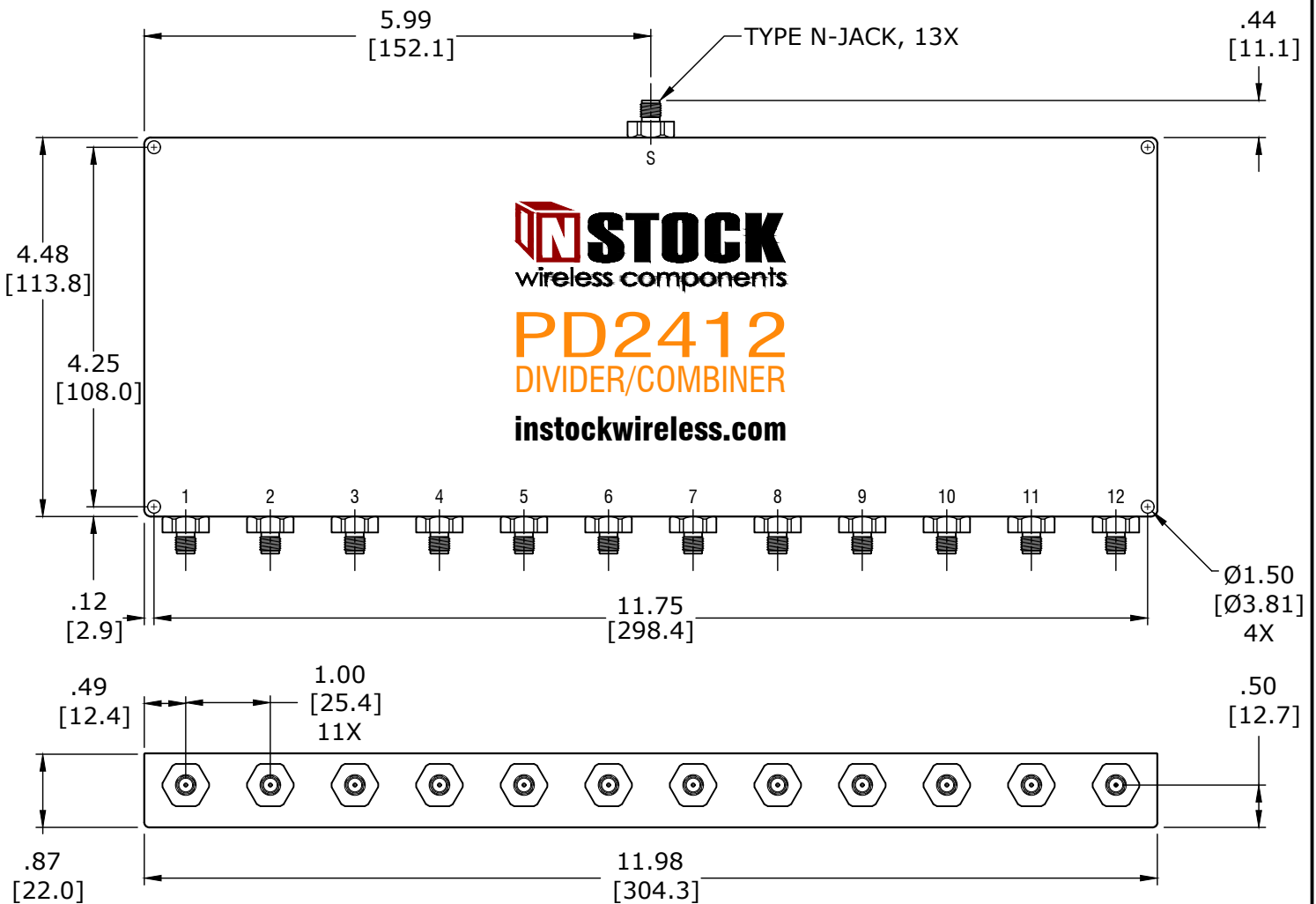
- 1.) CONNECTORS: SMA FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 1467 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	30 WATTS
∞	15 WATTS	3 WATTS

RF INPUT POWER RATING (POWER COMBINER):

COHERENT SIGNALS (IN-PHASE)	12 X 2.5 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	12 X 0.25 WATTS
NON-COHERENT SIGNALS	12 X 0.5 WATTS
OTHER CONDITIONS - CONSULT FACTORY	



REV	DESCRIPTION	BY	DATE

TOLERANCES	
INCHES	MILLIMETERS
.00 = ±.01	.0 = ±.25
.000 = ±.004	.00 = ±.10
DRAWN: TRD	APPROVED: MJD
DATE: 01/02/19	DATE: 01/02/19



MODEL NO.	PD2412
TITLE	12 WAY POWER DIVIDER COMBINER, SMA FEMALE, 350 - 1000 MHz, 30W, 50 OHM, 0 DEGREE (IN-PHASE), RoHS