

**ELECTRICAL SPECIFICATIONS:**

- 1.) FREQUENCY RANGE: 698 - 2700 MHz
- 2.) IMPEDANCE: 50 OHMS
- 3.) INSERTION LOSS (MAX): 1.5 dB (ABOVE 10.79 dB SPLIT)
- 4.) AMPLITUDE BALANCE (MAX): 0.5 dB
- 5.) PHASE BALANCE (MAX): 8 DEGREES
- 6.) ISOLATION (MIN): 18 dB
- 7.) INPUT VSWR (MAX): 1.45 : 1
- 8.) OUTPUT VSWR (MAX): 1.25 : 1
- 9.) DC VOLTAGE (MAX): 50 VOLTS

**MECHANICAL SPECIFICATIONS:**

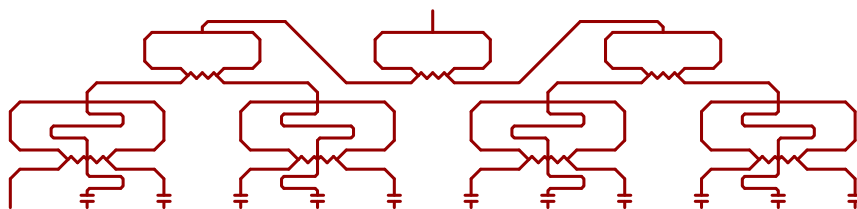
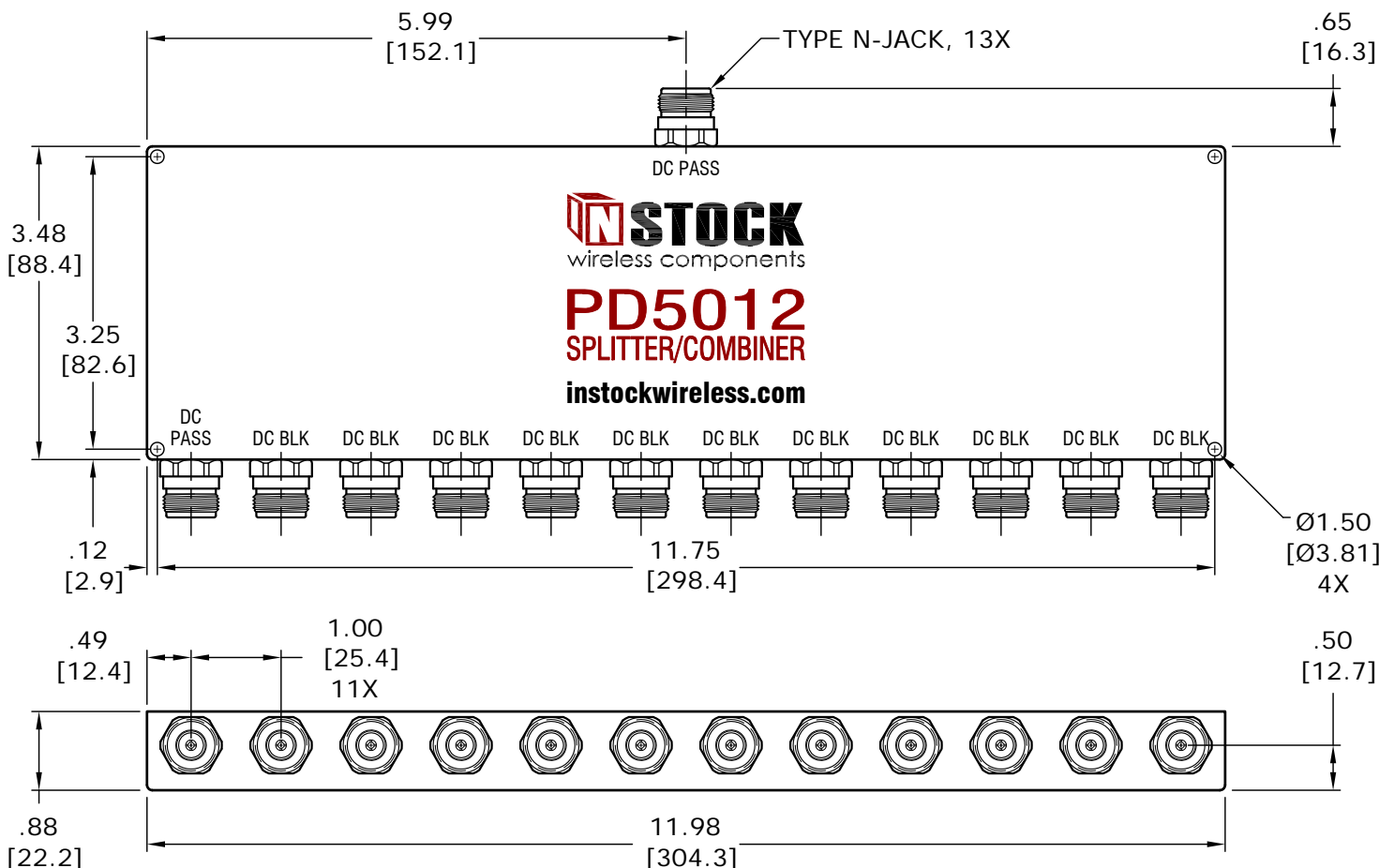
- 1.) CONNECTORS: TYPE-N FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: PHOSPHOR BRONZE, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 1463 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)	12 X 3.33 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	12 X 0.33 WATTS
NON-COHERENT SIGNALS	12 X 0.66 WATTS
OTHER CONDITIONS - CONSULT FACTORY	



12-way, DC blocking power splitter; DC pass one (1) port, DC block eleven (11) ports. Typically used for powering an active antenna through the power divider-splitter.

REV	DESCRIPTION	BY	DATE	TOLERANCES		 MODEL NO. <b>PD5012</b>
				INCHES	MILLIMETERS	
				.00 = ±.01	.0 = ±.25	TITLE DC BLOCKING POWER SPLITTER, 12 WAY, N-FEMALE, 0.698 - 2.700 GHz, 40W, RoHS, DC PASS 1 PORT; BLOCK 11 PORTS
				.000 = ±.004	.00 = ±.10	
				DRAWN: MJD	APPROVED: EMM	www.instockwireless.com
				DATE: 07/30/08	DATE: 07/30/08	