

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:

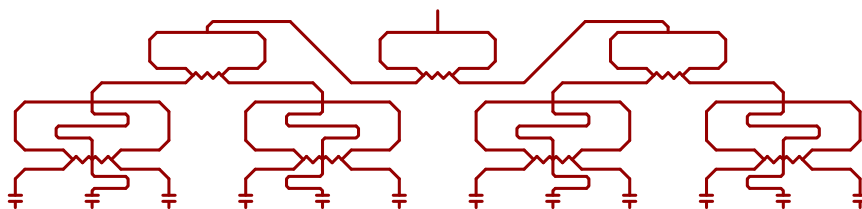
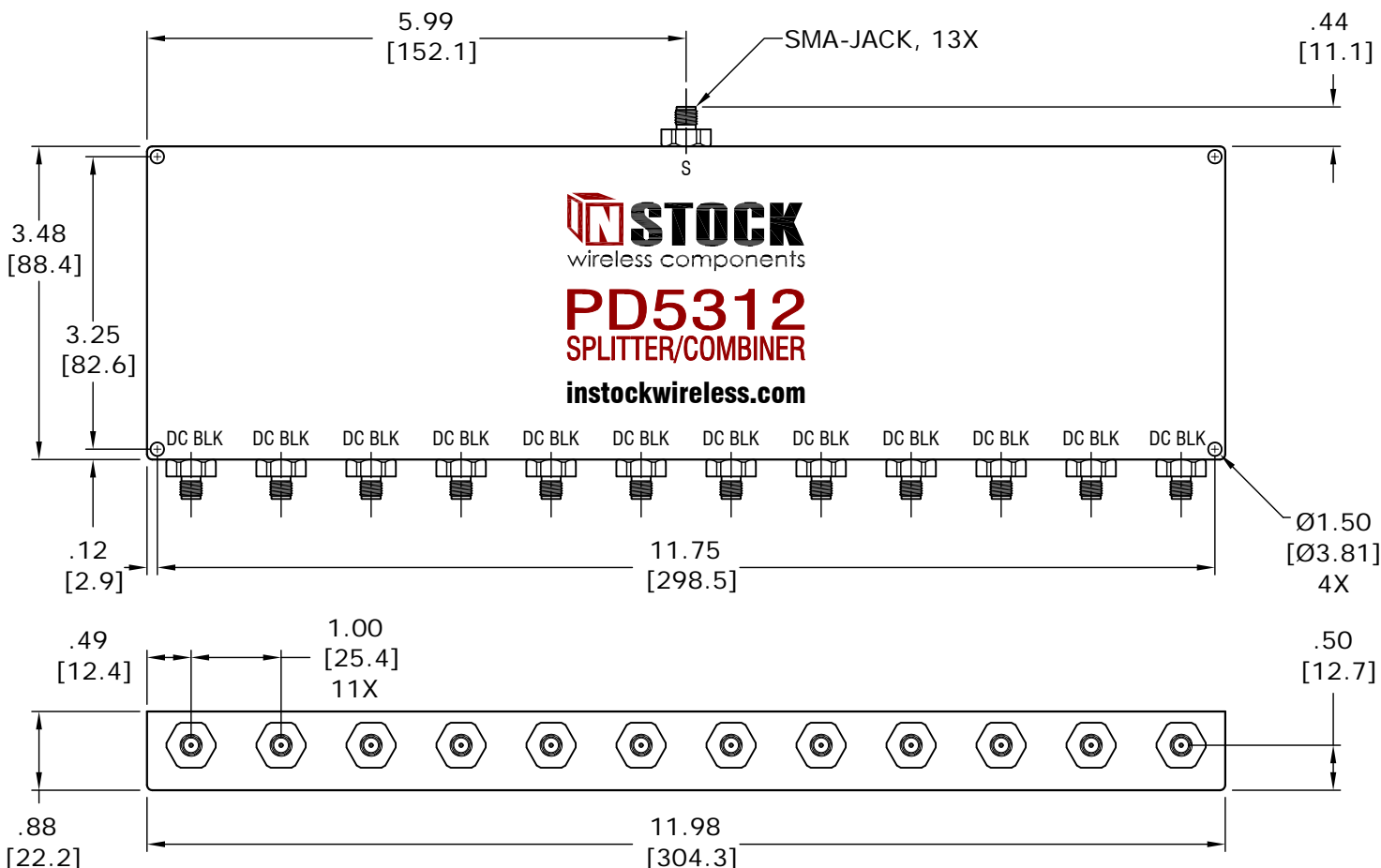
- 1.) CONNECTORS: SMA FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 1283 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 combiner; DC block twelve (12) ports. Typically used to prevent passing DC current in combining applications to sum or adjacent ports.

REV	DESCRIPTION	BY	DATE

TOLERANCES	
INCHES	MILLIMETERS
.00 = ±.01	.0 = ±.25
.000 = ±.004	.00 = ±.10
DRAWN: MJD	APPROVED: EMM
DATE: 12/08/08	DATE: 12/08/08

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MODEL NO.	PD5312
TITLE	DC BLOCKING POWER SPLITTER, 12 WAY, SMA JACK, 0.698 - 2.700 GHz, 40W, RoHS, DC BLOCK 12 PORTS