

**ELECTRICAL SPECIFICATIONS:**

- 1.) FREQUENCY RANGE: 700 - 2700 MHz
- 2.) IMPEDANCE: 50 OHMS
- 3.) INSERTION LOSS (MAX): 0.4 dB (ABOVE 3.01 dB SPLIT)
- 4.) AMPLITUDE BALANCE (MAX): 0.2 dB
- 5.) PHASE BALANCE (MAX): 3 DEGREES
- 6.) ISOLATION (MIN): 22 dB
- 7.) INPUT VSWR (MAX): 1.25 : 1
- 8.) OUTPUT VSWR (MAX): 1.15 : 1
- 9.) DC VOLTAGE (MAX): 50 VOLTS

**MECHANICAL SPECIFICATIONS:**

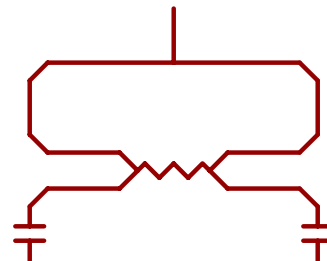
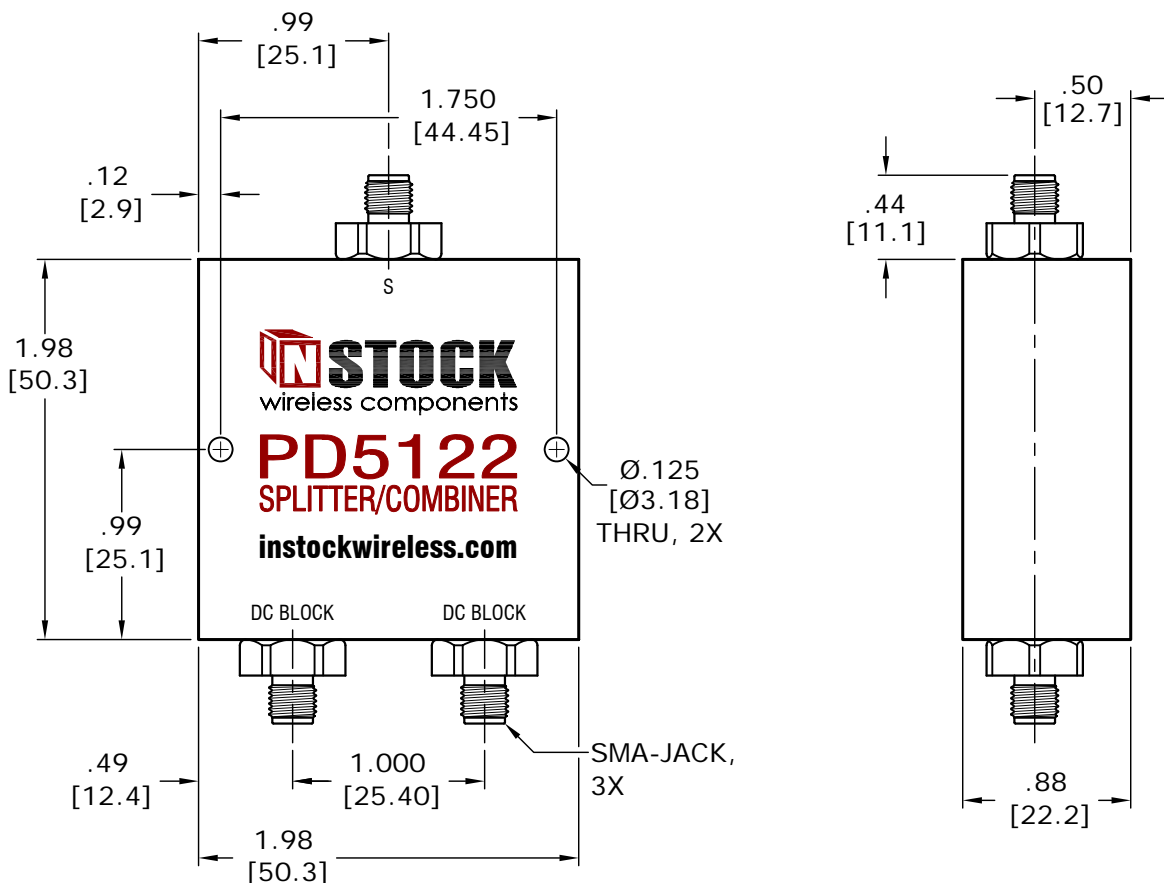
- 1.) CONNECTORS: SMA FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 133 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	10 WATTS
∞	20 WATTS	1 WATT

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

COHERENT SIGNALS (IN-PHASE)	2 X 20 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	2 X 0.5 WATTS
NON-COHERENT SIGNALS	2 X 1 WATT
OTHER CONDITIONS - CONSULT FACTORY	



*2-way, DC blocking power splitter combiner; DC block two (2) ports. Typically used to prevent passing DC current in combining applications to sum or adjacent port.*

REV	DESCRIPTION	BY	DATE

TOLERANCES	
INCHES	MILLIMETERS
.00 = ±.01	.0 = ±.25
.000 = ±.004	.00 = ±.10
DRAWN: MJD	APPROVED: EMM
DATE: 12/28/07	DATE: 12/28/07

**STOCK**  
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MODEL NO.  
**PD5122**  
TITLE DC BLOCKING POWER DIVIDER, 2 WAY,  
SMA FEMALE, 0.7 - 2.7 GHz, 40 WATT,  
RoHS, DC BLOCK TWO (2) PORTS