

**ELECTRICAL SPECIFICATIONS:**

	L-BAND	BLOCK DC+10 MHz
1.) FREQUENCY RANGE (MHz):	698-2700	10
2.) IMPEDANCE:	50 OHMS	50 OHMS
3.) INSERTION LOSS (MAX):	0.8 dB*	50 dB MIN
4.) AMPLITUDE BAL (MAX):	0.3 dB	N/A
5.) PHASE BALANCE (MAX):	4°	N/A
6.) ISOLATION (MIN):	22 dB	50 dB
7.) INPUT VSWR (MAX):	1.25 : 1	100 : 1 MIN
8.) OUTPUT VSWR (MAX):	1.20 : 1	100 : 1 MIN
9.) DC VOLTAGE (MAX):	50 VDC	50 VDC
10.) DC CURRENT (MAX):	BLOCKED	BLOCKED

\*ABOVE 6.02 dB POWER SPLIT

**MECHANICAL SPECIFICATIONS:**

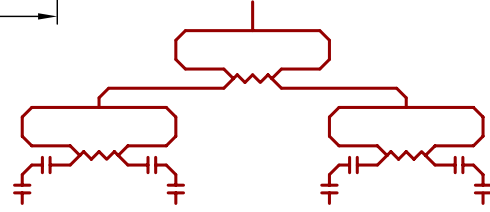
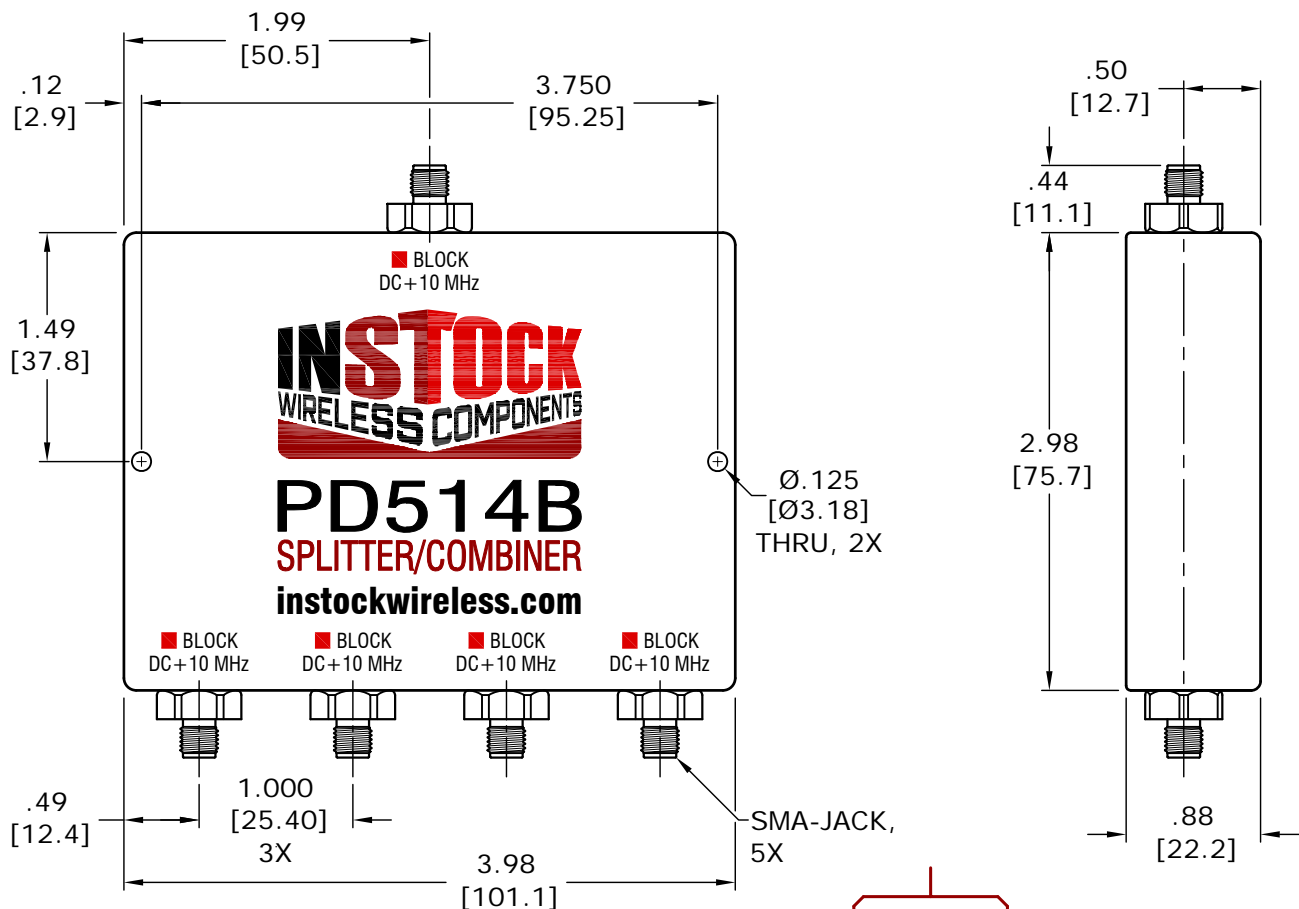
- 1.) CONNECTORS: SMA FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 383 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)	4 X 10 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	4 X 1 WATT
NON-COHERENT SIGNALS	4 X 2 WATTS
OTHER CONDITIONS - CONSULT FACTORY	



4-way L-band power splitter; DC & 10 MHz block 4 ports. Typically used splitting an LNB signal to 4 receivers where the output DC and 10 MHz must be blocked.

REV	DESCRIPTION	BY	DATE

TOLERANCES	
INCHES	MILLIMETERS
.00 = ±.01	.0 = ±.25
.000 = ±.004	.00 = ±.10
DRAWN: TRD	APPROVED: MJD
DATE: 4/19/20	DATE: 4/19/20



MODEL NO.	<b>PD514B</b>
TITLE	L-BAND POWER DIVIDER, 4 WAY, SMA JACK, 698-2700 MHz, 40W, RoHS, DC & 10 MHz BLOCK 4 PORTS