

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:

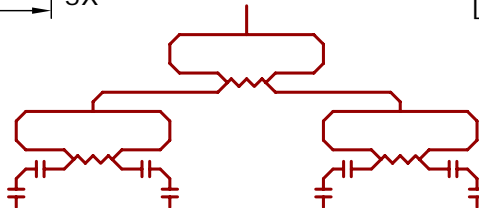
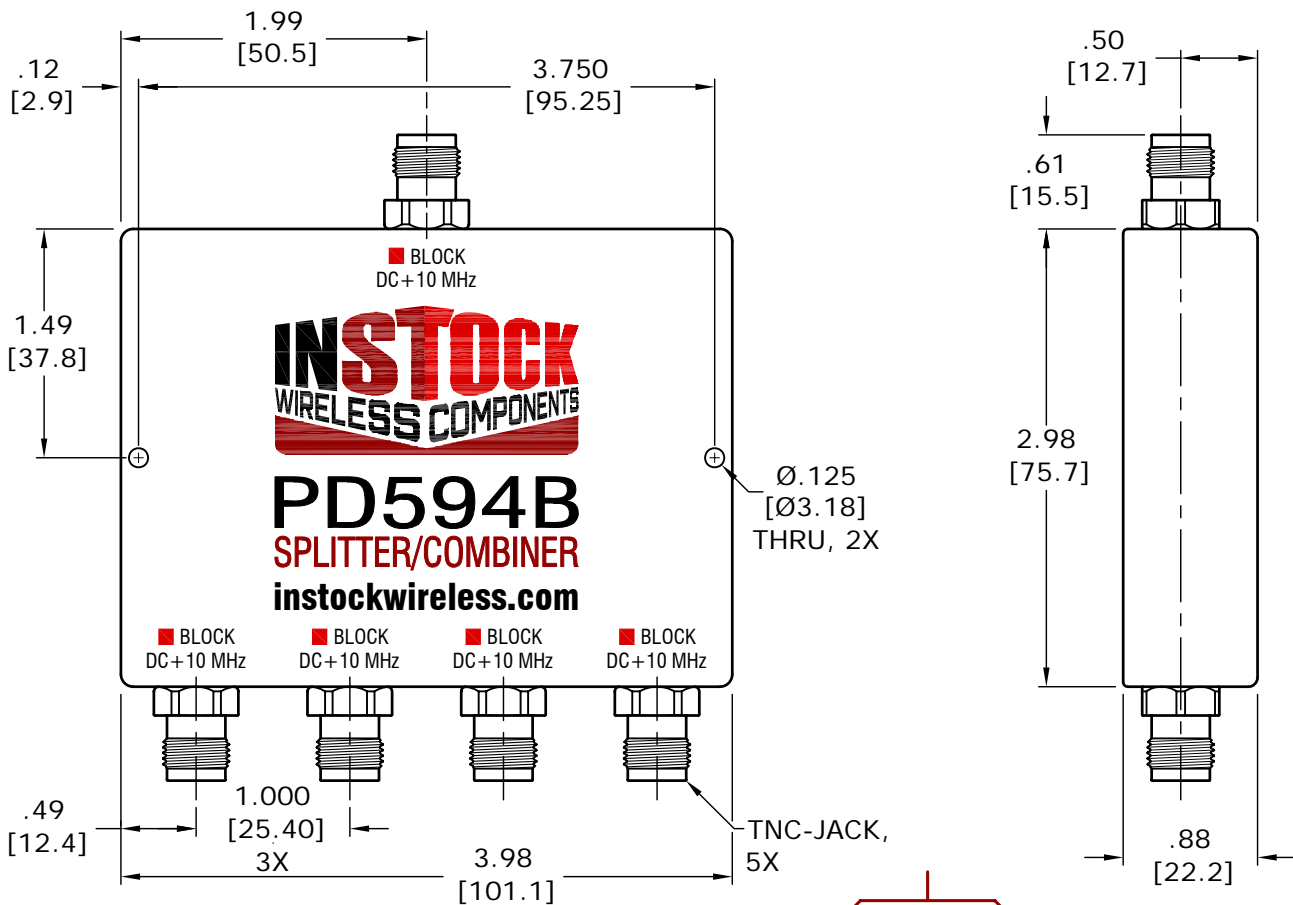
- 1.) CONNECTORS: TNC FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 386 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.

| 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. | PD594B |
| TITLE | L-BAND POWER DIVIDER, 4 WAY, TNC JACK, 698-2700 MHz, 40W, RoHS, DC & 10 MHz BLOCK 4 PORTS |

| REV | DESCRIPTION | BY | DATE |
|-----|-------------|----|------|
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