

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):	0.4 dB*	50 dB MIN
4.) AMPLITUDE BAL (MAX):	0.2 dB	N/A
5.) PHASE BALANCE (MAX):	3°	N/A
6.) ISOLATION (MIN):	22 dB	50 dB
7.) INPUT VSWR (MAX):	1.20 : 1	100 : 1 MIN
8.) OUTPUT VSWR (MAX):	1.20 : 1	100 : 1 MIN
9.) DC VOLTAGE (MAX):	BLOCKED	BLOCKED
10.) DC CURRENT (MAX):	BLOCKED	BLOCKED

*ABOVE 3.01 dB POWER SPLIT

MECHANICAL SPECIFICATIONS:

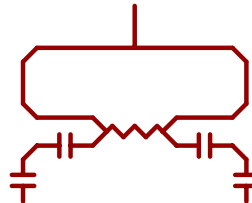
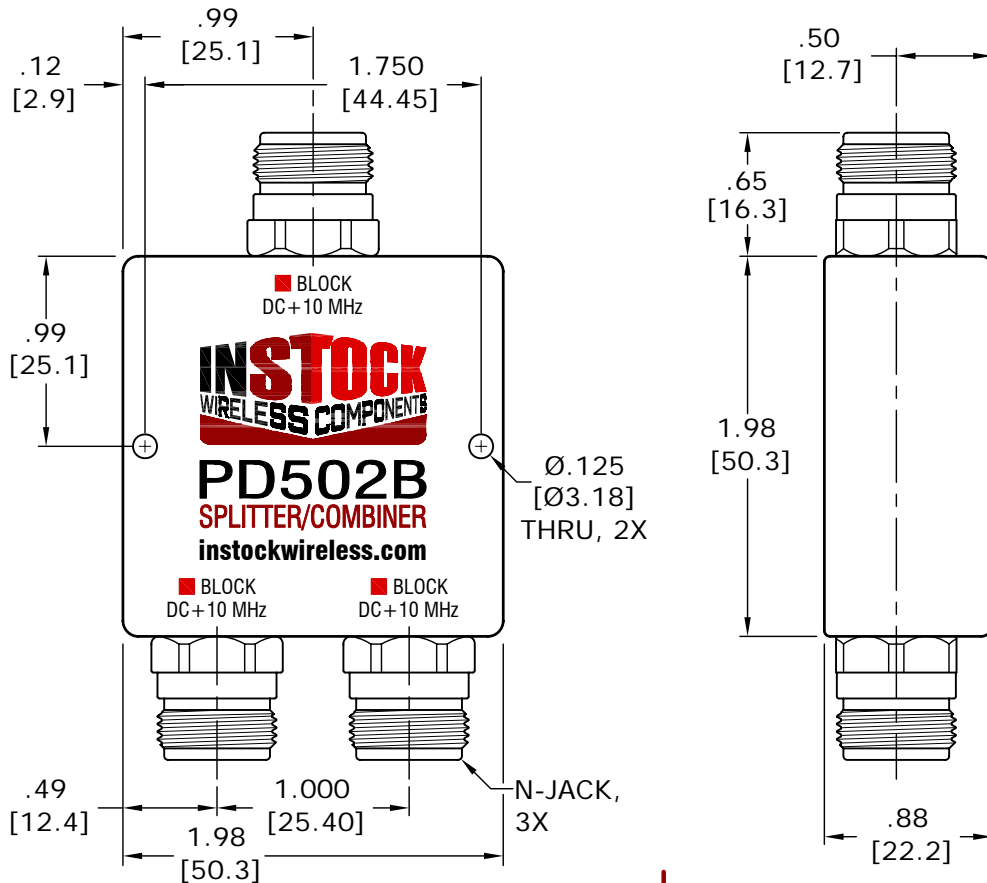
- 1.) CONNECTORS: TYPE-N FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: PHOSPHOR BRONZE, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 7.) OPERATING TEMP: -65°C TO +85°C
- 8.) WEIGHT: 174 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	20 WATTS
∞	20 WATTS	2 WATTS

RF INPUT POWER RATING (POWER COMBINER):

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



2-way L-band power splitter; DC & 10 MHz block 2 ports. Typically used splitting an LNB signal to 2 receivers where the output DC and 10 MHz must be blocked.

TOLERANCES	
INCHES	MILLIMETERS
.00 = ±.01	.0 = ±.25
.000 = ±.002	.00 = ±.05
DRAWN: TRD	APPROVED: MJD
DATE: 3/27/20	DATE: 3/27/20



MODEL NO.	PD502B
TITLE	L-BAND POWER DIVIDER, 2 WAY, N-TYPE JACK, 698-2700 MHz, 40W, RoHS, DC & 10 MHz BLOCK 2 PORTS

REV	DESCRIPTION	BY	DATE