

**ELECTRICAL SPECIFICATIONS:**

	L-BAND	PASS 10 MHz	BLOCK 10 MHz
1.) FREQUENCY RANGE (MHz):	698-2700	10	10
2.) IMPEDANCE:	50 OHMS	50 OHMS	50 OHMS
3.) INSERTION LOSS (MAX):	0.4 dB*	0.3 dB**	50 dB MIN
4.) AMPLITUDE BAL (MAX):	0.2 dB	N/A	N/A
5.) PHASE BALANCE (MAX):	6°	N/A	N/A
6.) ISOLATION (MIN):	22 dB	50 dB	50 dB
7.) INPUT VSWR (MAX):	1.20 : 1	1.20 : 1	1.20 : 1
8.) OUTPUT VSWR (MAX):	1.20 : 1	1.20 : 1	100 : 1 MIN
9.) DC VOLTAGE (MAX):	50 VDC	50 VDC	BLOCKED
10.) DC CURRENT (MAX):	4 A	4 A	BLOCKED

\*ABOVE 3.01 dB POWER SPLIT      \*\*TOTAL INSERTION LOSS

**MECHANICAL SPECIFICATIONS:**

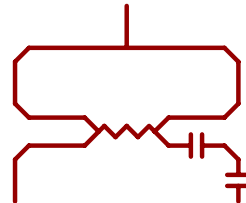
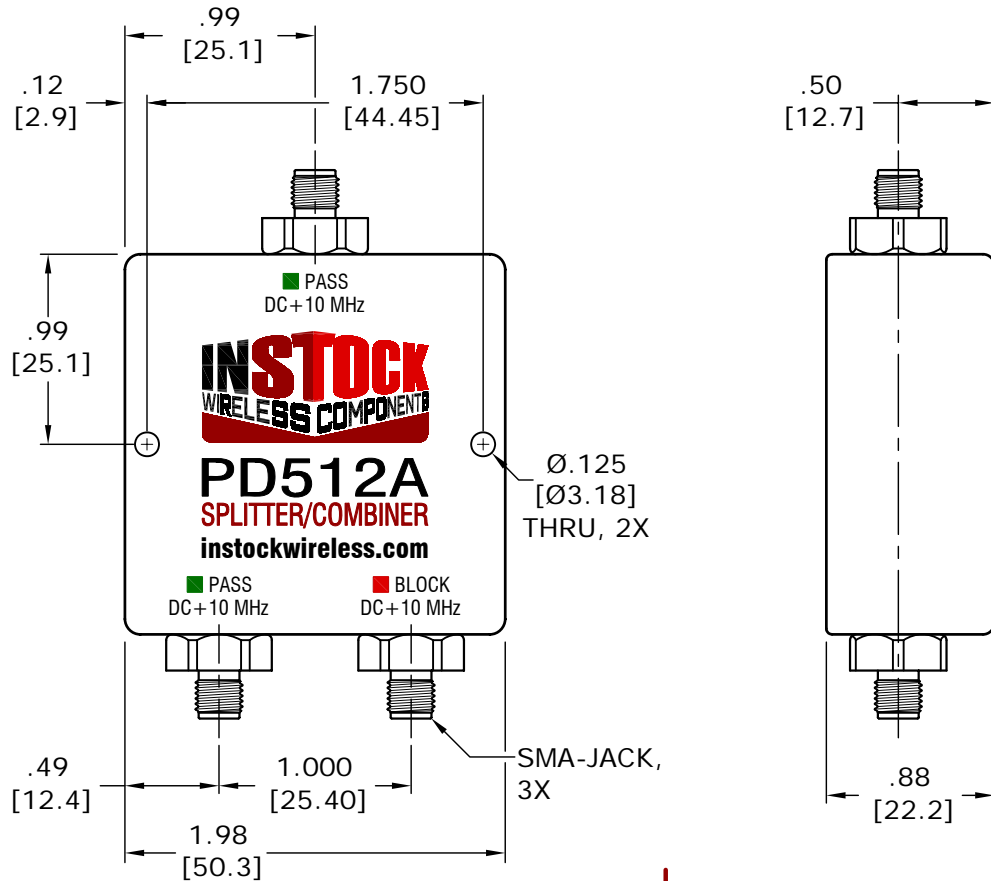
- 1.) CONNECTORS: SMA FEMALE (JACK), 50 OHM
- 2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- 3.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
- 4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 5.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 6.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 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	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 pass 1 port, DC & 10 MHz block 1 port. Typically used for powering an LNB and passing the 10 MHz BUC reference signal.

REV	DESCRIPTION	BY	DATE

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.	<b>PD512A</b>
TITLE	L-BAND POWER DIVIDER, 2 WAY, SMA JACK, 698-2700 MHz, 40W, RoHS, DC & 10 MHz PASS 1 PORT