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):	1.3 dB*	50 dB MIN
4.) AMPLITUDE BAL (MAX):	0.5 dB	N/A
5.) PHASE BALANCE (MAX):	6°	N/A
6.) ISOLATION (MIN):	22 dB	50 dB
7.) INPUT VSWR (MAX):	1.40 : 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 9.03 dB POWER SPLIT

MECHANICAL SPECIFICATIONS:

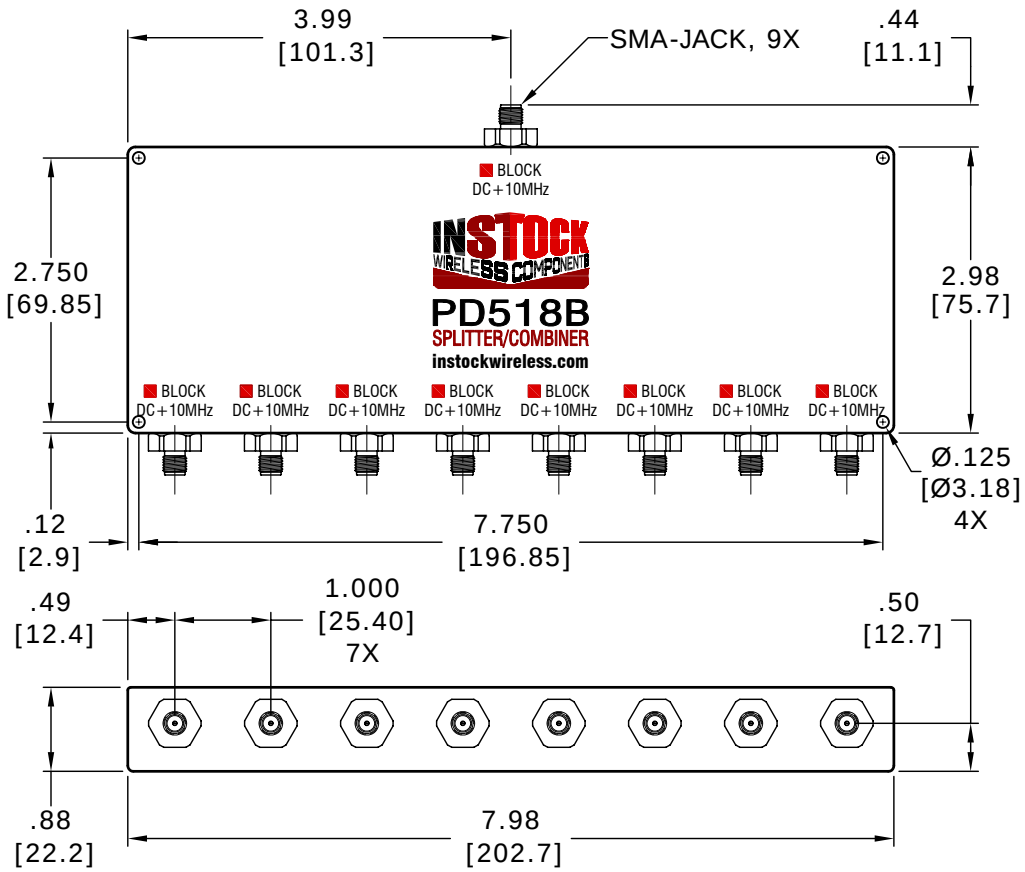
1.) CONNECTORS:	SMA FEMALE (JACK), 50 OHM
2.) CONNECTOR BODY:	BRASS, TRI-ALLOY PLATE
3.) CONNECTOR PIN:	BERYLLIUM COPPER, GOLD PLATE
4.) INSULATOR:	PTFE, VIRGIN ELECTRICAL GRADE
5.) HOUSING:	ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
6.) SOLDER:	LEAD FREE, RoHS COMPLIANT
7.) OPERATING TEMP:	-65°C TO +85°C
8.) WEIGHT:	740 GRAMS

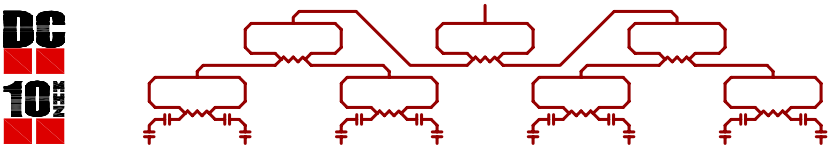
RF INPUT POWER RATING (POWER DIVIDER SPLITTER):

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	8 WATTS

RF INPUT POWER RATING (POWER COMBINER):

COHERENT SIGNALS (IN-PHASE)	8 X 5 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	8 X 1 WATT
NON-COHERENT SIGNALS	8 X 2 WATTS
OTHER CONDITIONS - CONSULT FACTORY	





8-way L-band power splitter; DC & 10 MHz block 8 ports. Typically used splitting an LNB signal to 8 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: 3/27/20	DATE: 3/27/20

instockwireless.com

MODEL NO. PD518B

TITLE L-BAND POWER DIVIDER, 8 WAY, SMA JACK, 698-2700 MHz, 40W, RoHS, DC & 10 MHz BLOCK 8 PORTS