

ELECTRICAL SPECIFICATIONS:

1.) FREQUENCY RANGE:	GPS L1-L5 (1164 - 1602 MHz)	
2.) IMPEDANCE:	50 OHMS	
3.) INSERTION LOSS (MAX):	0.3 dB (ABOVE 3.01 dB SPLIT)	
4.) AMPLITUDE BALANCE (MAX):	0.1 dB	
5.) PHASE BALANCE (MAX):	2 DEGREES	
6.) ISOLATION (MIN):	18 dB	
7.) INPUT VSWR (MAX):	1.25 : 1	
8.) OUTPUT VSWR (MAX):	1.15 : 1	
	<u>DC PASS</u>	<u>DC BLOCK</u>
9.) DC VOLTAGE (MAX):	50 V	50 V
10.) DC CURRENT (MAX):	2000 mA	N/A

MECHANICAL SPECIFICATIONS:

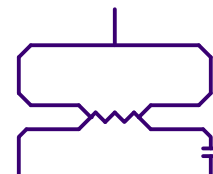
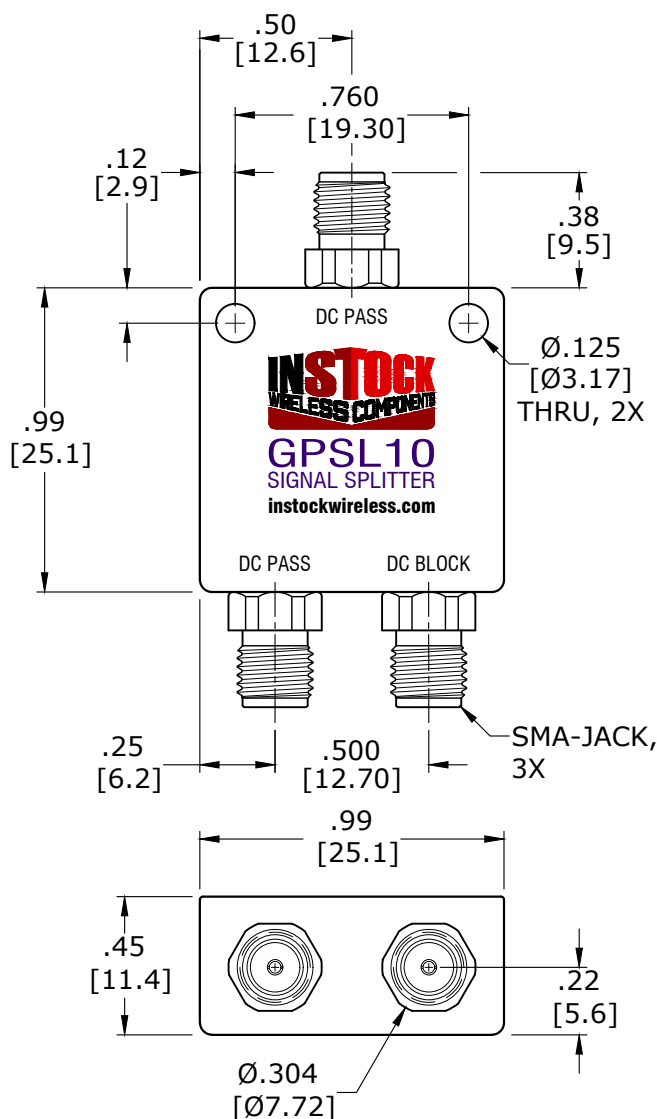
1.) CONNECTORS:	SMA FEMALE (JACK), 50 OHM
A.) CONNECTOR BODY:	BRASS, TRI-ALLOY PLATE
B.) CONNECTOR PIN:	BERYLLIUM COPPER, GOLD PLATE
C.) INSULATOR:	PTFE, VIRGIN ELECTRICAL GRADE
2.) HOUSING:	ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
3.) SOLDER:	LEAD FREE, RoHS COMPLIANT
4.) OPERATING TEMP:	-65°C TO +85°C
5.) WEIGHT:	21 GRAMS

GPS INPUT POWER RATING (GPS DIVIDER SPLITTER):

INTO MATCHED LOAD VSWR's	IN-PHASE	180° OUT-OF-PHASE
1.2 : 1	10 WATTS	10 WATTS
2.0 : 1	10 WATTS	2.5 WATTS
∞	5 WATTS	0.25 WATTS

GPS INPUT POWER RATING (GPS COMBINER):

COHERENT SIGNALS (IN-PHASE)	2 X 5 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	2 X 0.125 WATTS
NON-COHERENT SIGNALS	2 X 0.25 WATTS
OTHER CONDITIONS - CONSULT FACTORY	



**2-way, DC blocking power splitter; DC pass one (1) port, DC block one (1) port.
Typically used for powering an active antenna through the power divider-splitter.**

REV	DESCRIPTION	BY	DATE	TOLERANCES	
				INCHES	MILLIMETERS
				.00 = ±.01 .000 = ±.004	.0 = ±.25 .00 = ±.10
				DRAWN: JU	APPROVED: MJD
				DATE: 6/8/20	DATE: 6/8/20



MODEL NO.	GPSL10
TITLE	DC BLOCKING POWER DIVIDER, 2 WAY, SMA, GPS L1 - L5 (1164-1602 MHz) 50 OHM, 0°, 10W, RoHS