

**ELECTRICAL SPECIFICATIONS:**

- 1.) FREQUENCY RANGE: GPS L1-L5 (1176.45 - 1602.00 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): 1.30 : 1
- 8.) OUTPUT VSWR (MAX): 1.10 : 1
- 9.) DC VOLTAGE (MAX): 

<u>DC PASS</u>	<u>DC BLOCK</u>
50 V	10 V
- 10.) DC CURRENT (MAX): 

<u>DC PASS</u>	<u>DC BLOCK</u>
2000 mA	50 mA

**MECHANICAL SPECIFICATIONS:**

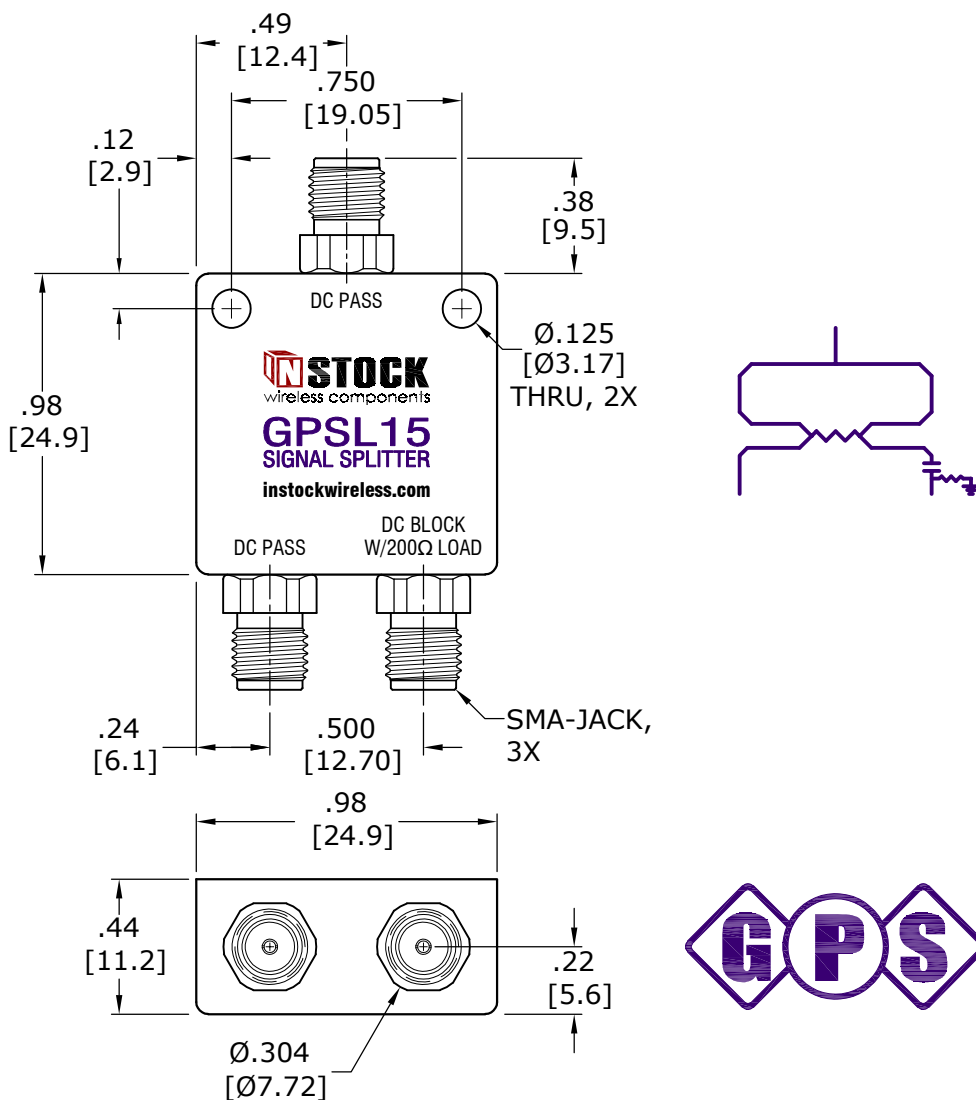
- 1.) CONNECTORS: SMA FEMALE (JACK), 50 OHM
- A.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
- B.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
- C.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
- 2.) HOUSING: ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
- 3.) SOLDER: LEAD FREE, RoHS COMPLIANT
- 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, passive GPS splitter; DC pass 1 port, DC block 1 port w/200Ω load. Typically used for powering an active antenna thru pass ports while splitting GPS signal 2 ways.**

TOLERANCES	
INCHES	MILLIMETERS
.00 = ±.01	.0 = ±.25
.000 = ±.004	.00 = ±.10
DRAWN: KMG	APPROVED: MJD
DATE: 10/12/17	DATE: 10/12/17

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MODEL NO.  
**GPSL15**  
TITLE GPS SPLITTER, 2 WAY, SMA, L1 - L5,  
1176.45-1602.00 MHz, 10W, DC BLOCK  
1 PORT W/200Ω INTERNAL LOAD, RoHS

REV	DESCRIPTION	BY	DATE