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	
	DC PASS	DC BLOCK
9.) DC VOLTAGE (MAX):	50 V	15 V
10.) DC CURRENT (MAX):	2000 mA	75 mA

MECHANICAL SPECIFICATIONS:

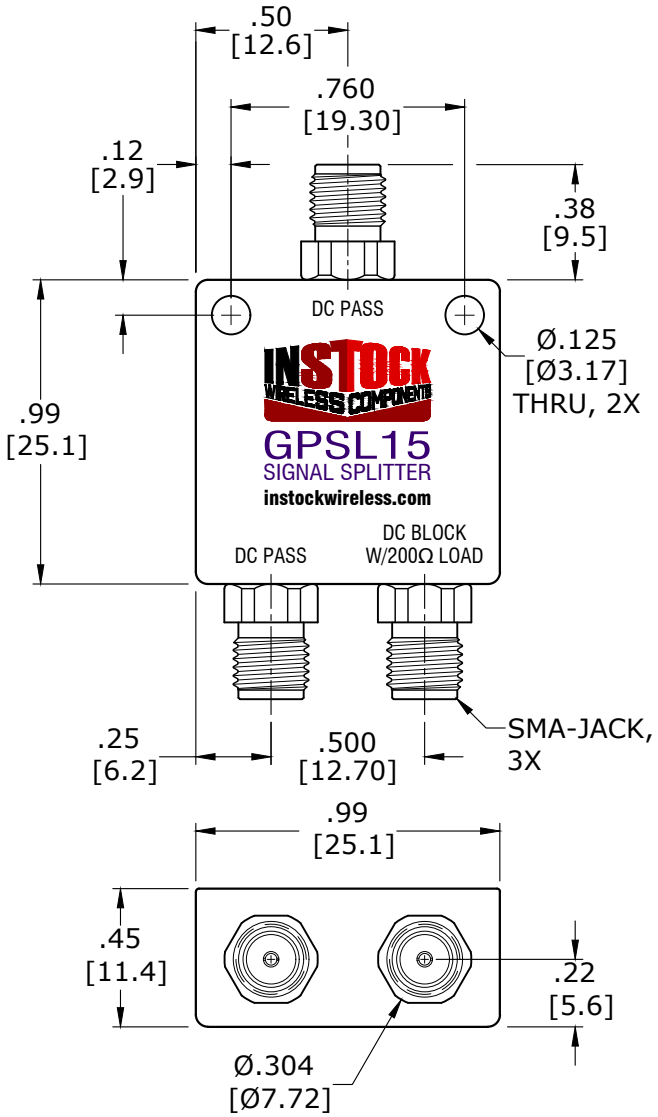
1.) CONNECTORS:	SMA FEMALE (JACK), 50 OHM
A.) CONNECTOR BODY:	BRASS, TRI-ALLOY PLATE
B.) CONNECTOR PIN:	BERYLLIUM COPPER, GOLD PLATE
C.) INSULATOR:	PTFE, VIRGIN ELECTRICAL GRADE
2.) HOUSING:	ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
3.) SOLDER:	LEAD FREE, RoHS COMPLIANT
4.)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

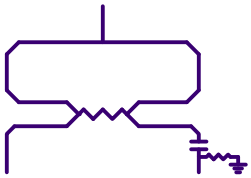
GPS INPUT POWER RATING (GPS DIVIDER SPLITTER):

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.

REV	DESCRIPTION	BY	DATE

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

INSTOCK WIRELESS COMPONENTS
instockwireless.com

MODEL NO.
GPSL15

TITLE GPS SPLITTER, 2 WAY, SMA, L1 - L5, 1164 - 1602 MHz, 10W, DC BLOCK 1 PORT W/200Ω INTERNAL LOAD, RoHS