

ELECTRICAL SPECIFICATIONS:

1.) FREQUENCY RANGE:	1000 - 2000 MHz
2.) IMPEDANCE:	50 OHMS
3.) INSERTION LOSS (MAX):	0.6 dB (ABOVE 4.77 dB SPLIT)
4.) AMPLITUDE BALANCE (MAX):	0.2 dB
5.) PHASE BALANCE (MAX):	3 DEGREES
6.) ISOLATION (MIN):	18 dB
7.) INPUT VSWR (MAX):	1.30 : 1
8.) OUTPUT VSWR (MAX):	1.25 : 1
9.) DC VOLTAGE (MAX):	10 V
10.) DC CURRENT (MAX):	50 mA

MECHANICAL SPECIFICATIONS:

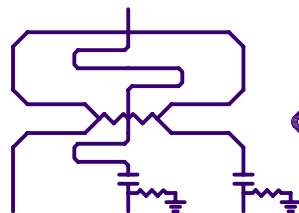
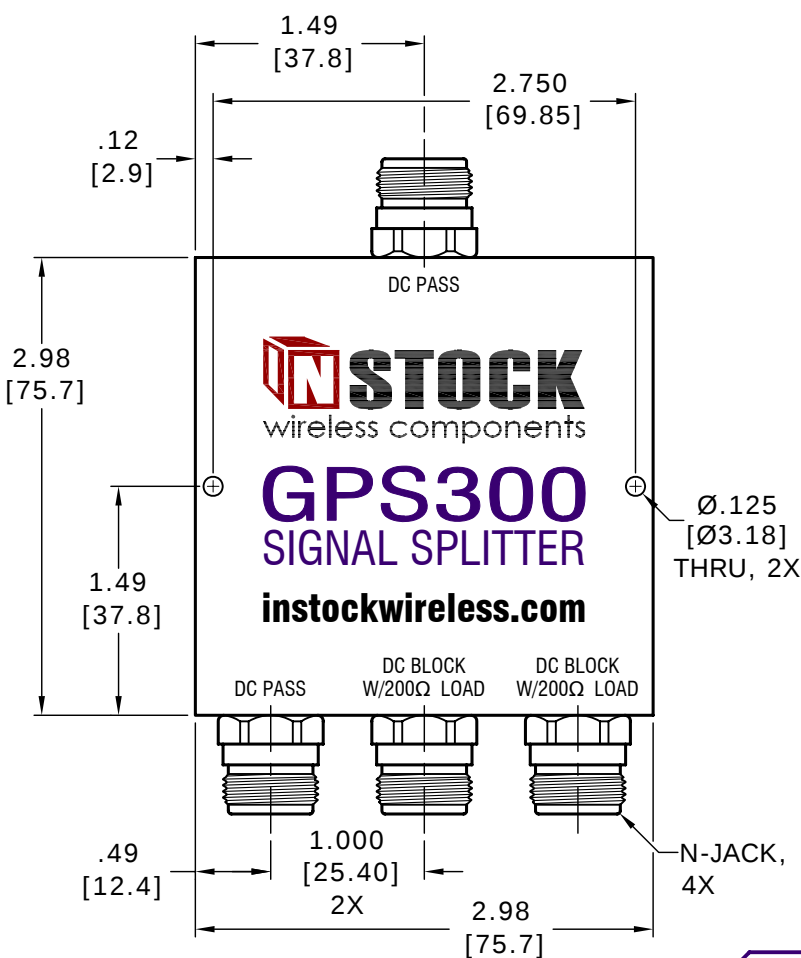
1.) CONNECTORS:	TYPE-N FEMALE (JACK), 50 OHM
2.) CONNECTOR BODY:	BRASS, TRI-ALLOY PLATE
3.) CONNECTOR PIN:	PHOSPHOR BRONZE, GOLD PLATE
4.) INSULATOR:	PTFE, VIRGIN ELECTRICAL GRADE
5.) HOUSING:	ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
6.) SOLDER:	LEAD FREE, RoHS COMPLIANT
7.) OPERATING TEMP:	-65°C TO +85°C
8.) WEIGHT:	346 GRAMS

RF INPUT POWER RATING (POWER DIVIDER SPLITTER):

INTO MATCHED LOAD VSWR's	IN-PHASE	180° OUT-OF-PHASE
1.2 : 1	20 WATTS	20 WATTS
2.0 : 1	20 WATTS	10 WATTS
∞	10 WATTS	1 WATT

RF INPUT POWER RATING (POWER COMBINER):

COHERENT SIGNALS (IN-PHASE)	3 X 6.67 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	3 X 0.33 WATTS
NON-COHERENT SIGNALS	3 X 0.67 WATTS
OTHER CONDITIONS - CONSULT FACTORY	



3-way, GPS signal splitter; DC pass 1 port, DC block 2 ports w/200Ω loads. Typically used for powering an active antenna thru pass ports while splitting GPS signal 3 ways.

REV	DESCRIPTION	BY	DATE	TOLERANCES	
				INCHES	MILLIMETERS
				.00 = ±.01 .000 = ±.004	.0 = ±.25 .00 = ±.10
				DRAWN: MJD DATE: 06/12/08	APPROVED: EMM DATE: 06/12/08

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MODEL NO.	GPS300
TITLE	GPS SPLITTER, 3 WAY, TYPE N FEMALE, 1 - 2 GHz, 20 WATTS, RoHS, DC BLOCK 2 PORTS, WITH 200Ω INTERNAL LOADS