ELECTRICAL SPECIFICATIONS:

1.) FREQUENCY RANGE:	698 - 2700 MHz
2.) IMPEDANCE:	50 OHMS
3.) INSERTION LOSS (MAX):	1.8 dB (ABOVE 12.04 dB SPLIT)
4.) AMPLITUDE BALANCE (MAX):	0.6 dB
5.) PHASE BALANCE (MAX):	10 DEGREES
6.) ISOLATION (MIN):	20 dB
7.) INPUT VSWR (MAX):	1.50 : 1
8.) OUTPUT VSWR (MAX):	1.20 : 1
9.) DC VOLTAGE (MAX):	50 VOLTS

MECHANICAL SPECIFICATIONS:

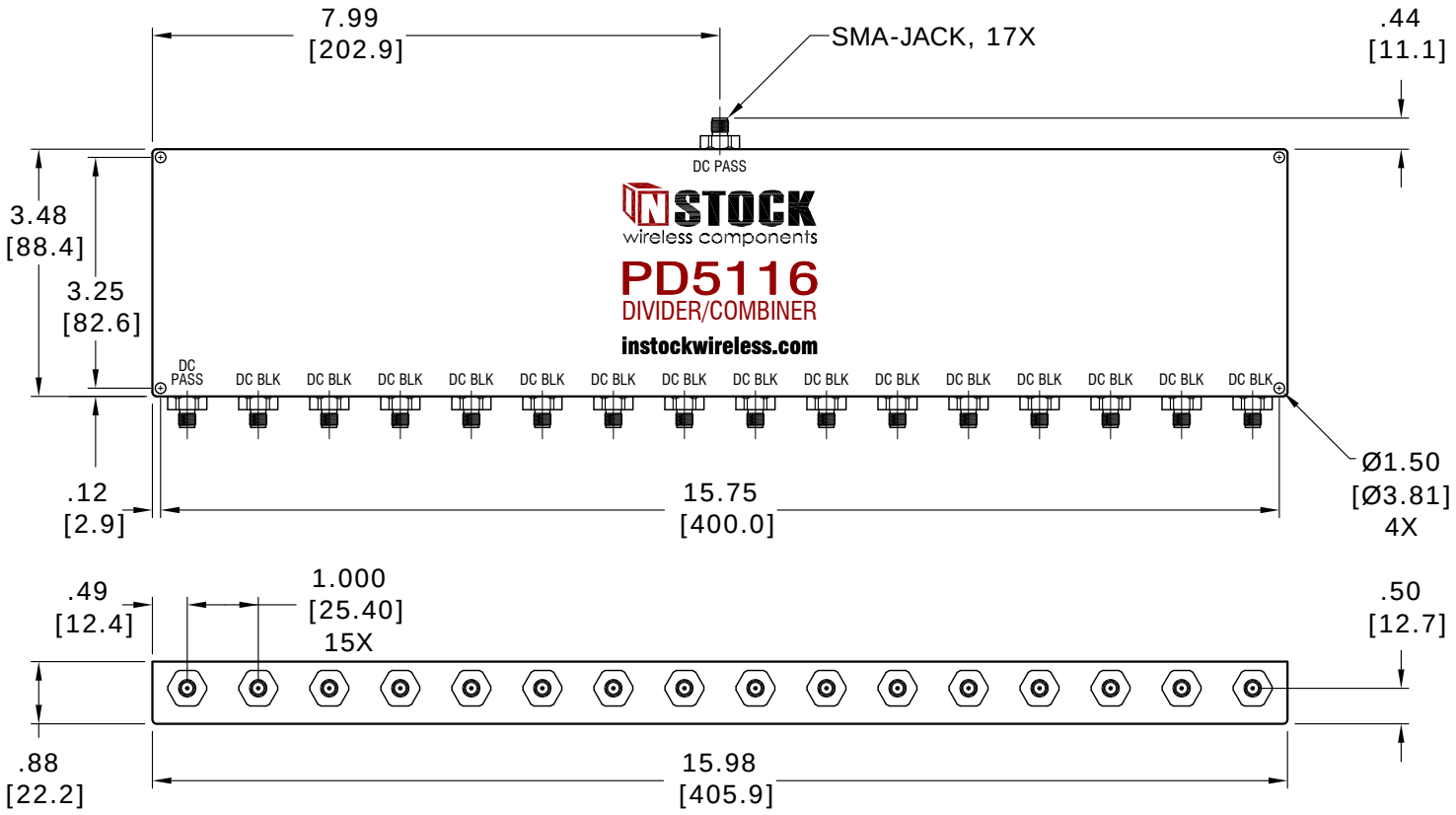
1.) CONNECTORS:	SMA FEMALE (JACK), 50 OHM
2.) CONNECTOR BODY:	BRASS, TRI-ALLOY PLATE
3.) CONNECTOR PIN:	BERYLLIUM COPPER, GOLD PLATE
4.) INSULATOR:	PTFE, VIRGIN ELECTRICAL GRADE
5.) HOUSING:	ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
6.) SOLDER:	LEAD FREE, RoHS COMPLIANT
7.) OPERATING TEMP:	-65°C TO +85°C
8.) WEIGHT:	1684 GRAMS

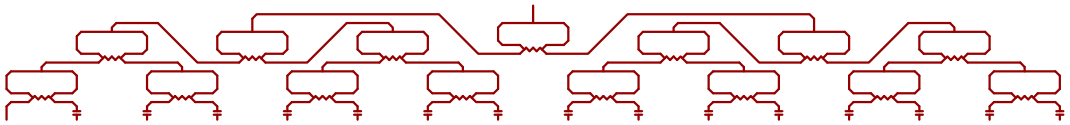
RF INPUT POWER RATING (POWER DIVIDER SPLITTER):

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)	16 X 2.5 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	16 X 0.5 WATTS
NON-COHERENT SIGNALS	16 X 1 WATT
OTHER CONDITIONS - CONSULT FACTORY	





16-way, DC blocking power divider-splitter; DC pass 1 port, DC block 15 ports. Typically used for powering an active antenna through the power divider-splitter.

REV	DESCRIPTION	BY	DATE

TOLERANCES	
INCHES	MILLIMETERS
.00 = ±.01	.0 = ±.25
.000 = ±.004	.00 = ±.10
DRAWN: MJD	APPROVED: EMM
DATE: 6/12/09	DATE: 6/12/09

INSTOCK wireless components
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MODEL NO.
PD5116

TITLE DC BLOCKING POWER DIVIDER, 16WAY, SMA JACK, 0.698 - 2.700 GHz, 40W, RoHS, DC BLOCK 15 PORTS