ELECTRICAL SPECIFICATIONS:

1.) FREQUENCY RANGE:	700 - 2700 MHz
2.) IMPEDANCE:	50 OHMS
3.) INSERTION LOSS (MAX):	0.8 dB (ABOVE 6.02 dB SPLIT)
4.) AMPLITUDE BALANCE (MAX):	0.2 dB
5.) PHASE BALANCE (MAX):	4 DEGREES
6.) ISOLATION (MIN):	22 dB
7.) INPUT VSWR (MAX):	1.25 : 1
8.) OUTPUT VSWR (MAX):	1.15 : 1

MECHANICAL SPECIFICATIONS:

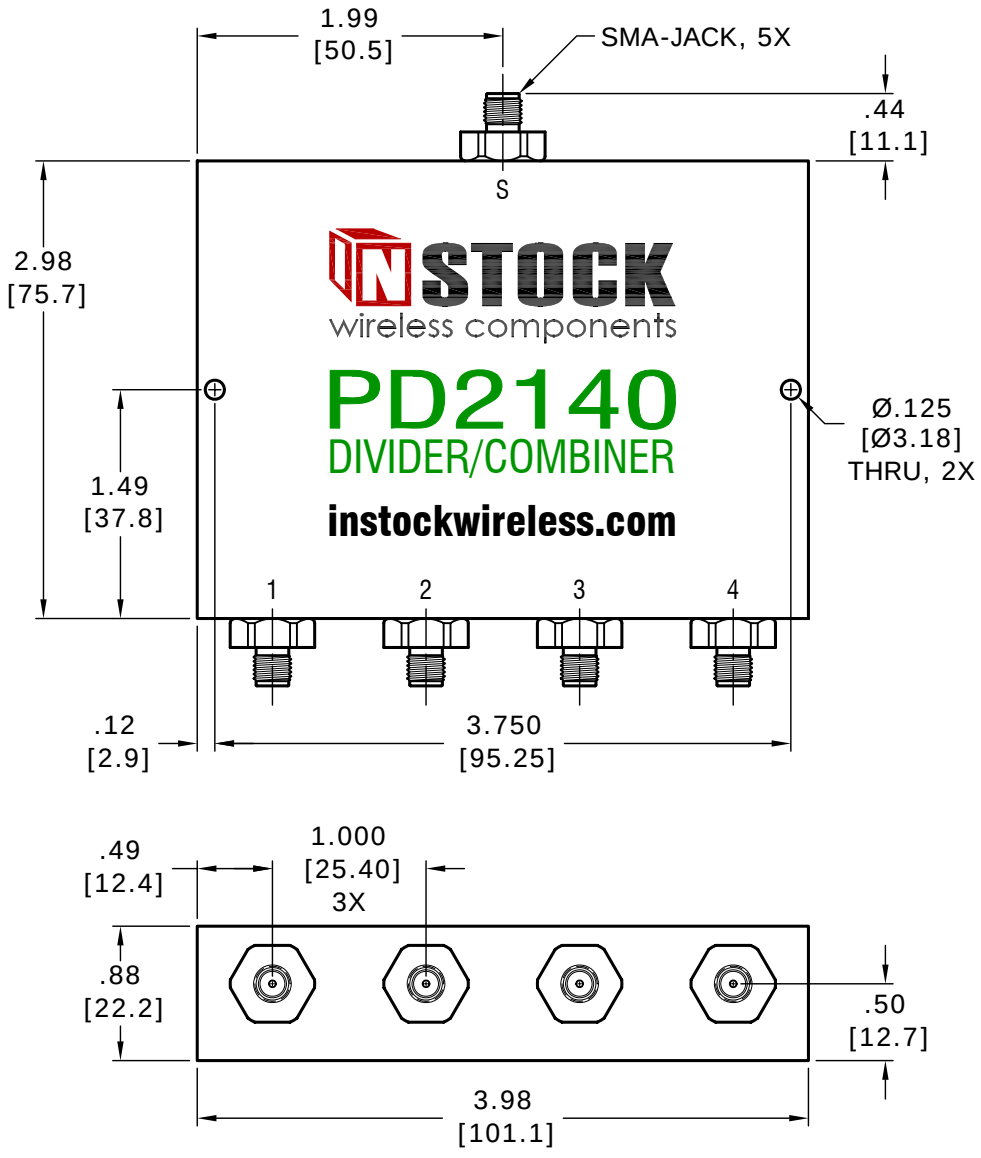
1.) CONNECTORS:	SMA FEMALE (JACK), 50 OHM
2.) CONNECTOR BODY:	BRASS, TRI-ALLOY PLATE
3.) CONNECTOR PIN:	BERYLLIUM COPPER, GOLD PLATE
4.) INSULATOR:	PTFE, VIRGIN ELECTRICAL GRADE
5.) HOUSING:	ALUMINUM, CLEAR CHEM CONVERSION FILM, RoHS COMPLIANT (NO HEX CHROM)
6.) SOLDER:	LEAD FREE, RoHS COMPLIANT
7.) OPERATING TEMP:	-65°C TO +85°C
8.) WEIGHT:	383 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	20 WATTS
∞	20 WATTS	2 WATTS

RF INPUT POWER RATING (POWER COMBINER):

COHERENT SIGNALS (IN-PHASE)	4 X 10 WATTS
COHERENT SIGNALS (180° OUT-OF-PHASE)	4 X 0.5 WATTS
NON-COHERENT SIGNALS	4 X 1 WATT
OTHER CONDITIONS - CONSULT FACTORY	



REV	DESCRIPTION	BY	DATE

TOLERANCES	
INCHES	MILLIMETERS
.00 = ±.01 .000 = ±.004	.0 = ±.25 .00 = ±.10
DRAWN: MJD DATE: 03/30/07	APPROVED: EMM DATE: 03/30/07

INSTOCK wireless components
www.instockwireless.com

MODEL NO.
PD2140

TITLE 4 WAY POWER DIVIDER COMBINER, SMA FEMALE, 0.7 - 2.7 GHz, 40 WATT, 50 OHM, 0 DEGREE (IN-PHASE), RoHS