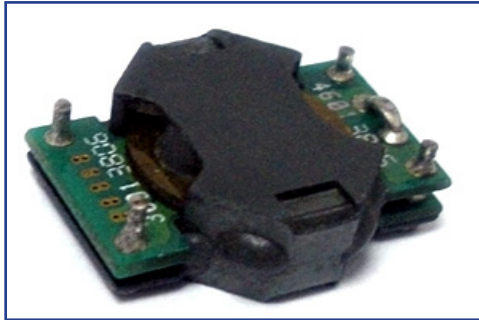


PLANAR TRANSFORMERS HIGH FREQUENCY 15 WATT



PP14D SERIES



- Power Rating Up to 15 Watts
- High Efficiency
- Footprint 14.60 mm X 16.58 mm
- Lower Profile of 5.80 mm
- High Isolation (operational) 1500 Vdc
- High Frequency 200 KHz – 3.0 MHz
- Operating Temperature -40°C to +125°C
- Custom Design Available

ELECTRICAL PARAMETERS @25°C

Part Number PP14D-	Primary Inductance (μH MIN)	Leakage Inductance (μH MAX)	DC Resistance (m Ω MAX)		Turns Ratio		Isolation (V _{DC})	Figure
			Primary	Secondary	Primary	Secondary		
0601	30	0.50	46	1.80	6T	1T // 1T	1500	A
0602	30	0.50	46	3.60	6T	2T	1500	A
0603	30	0.50	46	20.0	6T	3T	1500	B
0606	30	0.45	46	40.0	6T	6T	1500	C
0608	30	0.45	46	55.0	6T	8T	1500	C
0610	30	0.45	46	100	6T	10T	1500	C
1201	120	1.00	150	1.80	12T	1T // 1T	1500	A
1202	120	1.00	150	3.60	12T	2T	1500	A
1203	120	1.00	150	20.0	12T	3T	1500	B
1206	120	0.95	150	40.0	12T	6T	1500	C
1208	120	0.95	150	55.0	12T	8T	1500	C
1210	120	0.95	150	100	12T	10T	1500	C

APPLICATION OF CONFIGURATION

Part Number PP14D-	V _{in}	V _{out} / I _{out}
0601	18 – 36 Vdc	1.2@12.5V -- 1.8V@8.33A
0602	18 – 36 Vdc	2.5V@6.00A -- 3.3V@4.55A
0603	18 – 36 Vdc	5.0 V @ 3.00 A
0606	18 – 36 Vdc	8.0V@1.88A -- 10V@1.50A
0608	18 – 36 Vdc	12V@1.25A -- 15V@1.00A
0610	18 – 36 Vdc	16V@0.93A -- 18V@0.833A

APPLICATION OF CONFIGURATION

Part Number PP14D-	V _{in}	V _{out} / I _{out}
1201	36 – 75 Vdc	1.2@12.5V -- 1.8V@8.33A
1202	36 – 75 Vdc	2.5V@6.00A -- 3.3V@4.55A
1203	36 – 75 Vdc	5.0 V @ 3.00 A
1206	36 – 75 Vdc	8.0V@1.88A -- 10V@1.50A
1208	36 – 75 Vdc	12V@1.25A -- 15V@1.00A
1210	36 – 75 Vdc	16V@0.93A -- 18V@0.833A

NOTES:

1. The inductance is measured between Pin (1--2) at 100 kHz, 100 mVrms
2. The leakage inductance is measured in primary winding Pin(1--2) with secondary winding shorted.

Product performance is limited to specified parameters. Data is subject to change without prior notice.

Tel: 310-325-1043
Fax: 310-325-1044

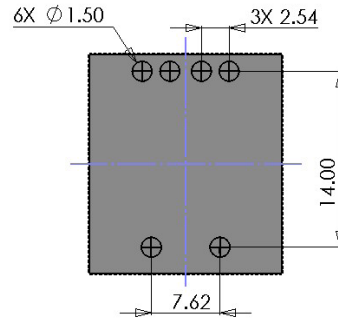
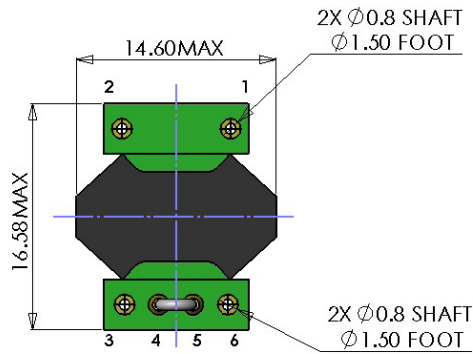
www.mpsind.com
sales@mpsind.com

PLANAR TRANSFORMERS HIGH FREQUENCY 15 WATT

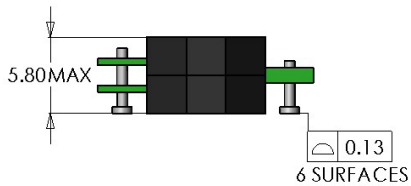


PP14D SERIES

DIMENSIONS (mm)



SUGGESTED PAD LAYOUT



SCHEMATICS

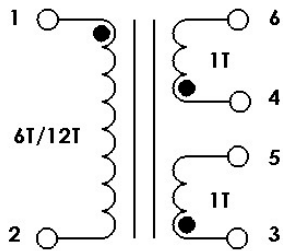


Figure A

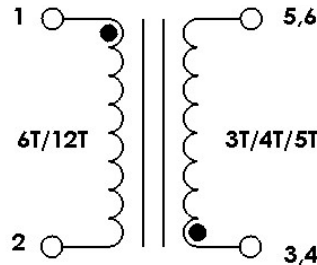


Figure B

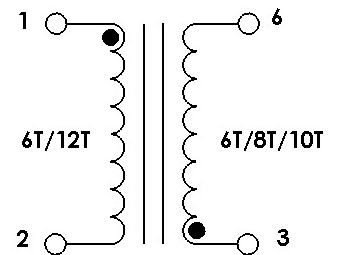


Figure C

Product performance is limited to specified parameters. Data is subject to change without prior notice.

Dimensions
Unless otherwise specified, all tolerances are:
inch: .XX : ±0.015 .XXX : ±0.004
mm: X.X : ±0.38 X.XX : ±0.10

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