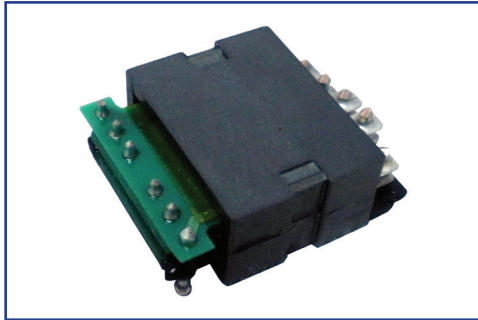


# PLANAR TRANSFORMERS HIGH FREQUENCY 150 WATT



## PP25D SERIES



- Power Rating Up to 150 Watts
- High Efficiency of over 98%
- High Power Density of 600 Watts Per Cubic Inch
- Footprint 23.5 mm X 20.10 mm
- Lower Profile of 9.12 mm
- High Isolation (operational) 1500 Vdc
- High Frequency 200 kHz – 700 kHz
- Operating Temperature -40°C to +125°C
- Custom Design Available

## ELECTRICAL PARAMETERS @ 25°C

Part Number PP25D-	Primary Inductance ( $\mu\text{H}$ MIN)	Leakage Inductance ( $\mu\text{H}$ MAX)	DC Resistance (m $\Omega$ MAX)			Turns Ratio		Isolation (V <sub>DC</sub> )	Figure
			Primary		Secondary	Primary	Secondary		
			A	Aux					
0802	151.0	0.43	18.0	18.0	0.85 & 0.85	4T/4T	1T & 1T	1500	A
0902	191.0	0.43	18.0	20.0	0.85 & 0.85	4T/5T	1T & 1T	1500	A
1002	236.0	0.48	20.0	20.0	0.85 & 0.85	5T/5T	1T & 1T	1500	A
1102	286.0	0.55	20.0	25.0	0.85 & 0.85	5T/6T	1T & 1T	1500	A
1202	340.0	0.60	25.0	25.0	0.85 & 0.85	6T/6T	1T & 1T	1500	A
0803	151.0	0.43	18.0	18.0	1.70 & 1.70	4T/4T	2T & 1T	1500	B
0903	191.0	0.43	18.0	20.0	1.70 & 1.70	4T/5T	2T & 1T	1500	B
1003	236.0	0.48	20.0	20.0	1.70 & 1.70	5T/5T	2T & 1T	1500	B
1103	286.0	0.55	20.0	25.0	1.70 & 1.70	5T/6T	2T & 1T	1500	B
1203	340.0	0.60	25.0	25.0	1.70 & 1.70	6T/6T	2T & 1T	1500	B
0804	151.0	0.43	18.0	18.0	7.00	4T/4T	4T	1500	C
0904	191.0	0.43	18.0	20.0	7.00	4T/5T	4T	1500	C
1004	236.0	0.48	20.0	20.0	7.00	5T/5T	4T	1500	C
1104	286.0	0.55	20.0	25.0	7.00	5T/6T	4T	1500	C
1204	340.0	0.60	25.0	25.0	7.00	6T/6T	4T	1500	C

### NOTES:

1. The inductance is measured with both primary windings connected in series Pin (2--5) with Pin (3--4) shorted
2. The leakage inductance is measured in winding Pin (2 -4) with all other winding shorted
3. All specifications typical at TA=25°C

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

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

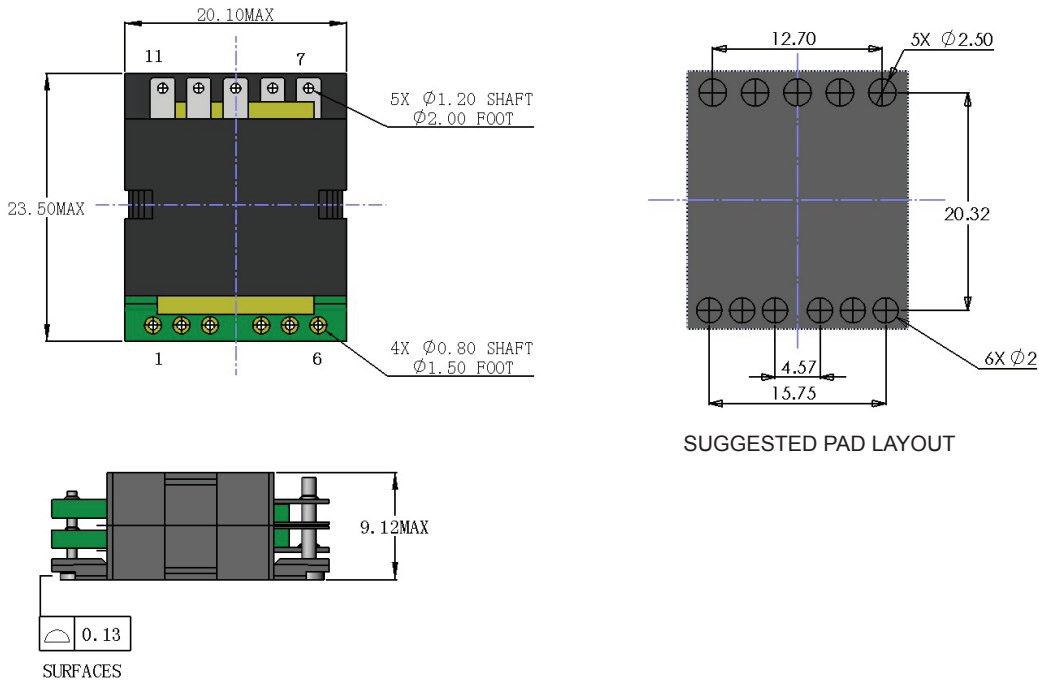
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sales@mpsind.com

# PLANAR TRANSFORMERS HIGH FREQUENCY 150 WATT



## PP25D SERIES

### DIMENSIONS (mm)



### SCHEMATICS

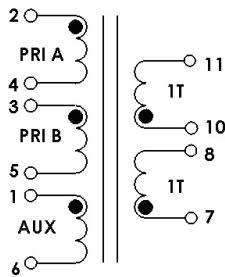


Figure A

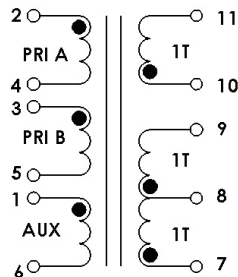


Figure B

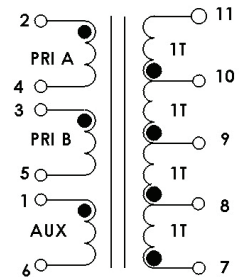


Figure C

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

**Dimensions**  
Unless otherwise specified, all tolerances are:  
inch: .XX :  $\pm 0.015$  .XXX :  $\pm 0.004$   
mm: X.X :  $\pm 0.38$  X,XX :  $\pm 0.10$

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