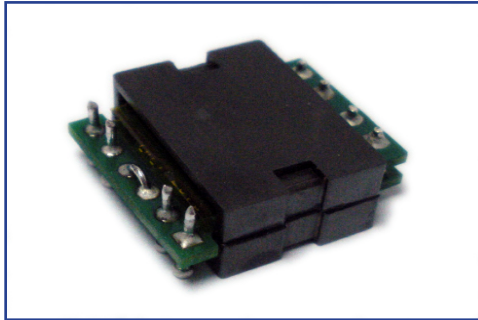


PLANAR TRANSFORMERS HIGH FREQUENCY 75 WATT



PP20B SERIES



- Power Rating Up to 75 Watts
- High Efficiency of Over 98%
- Footprint 20.30 mm X 18.50 mm
- Lower Profile of 6.6 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 PP20B-	Primary Inductance (μH MIN)	Leakage Inductance (μH MAX)	DC Resistance (m Ω MAX)		Turns Ratio		Isolation (V _{DC})	Figure	
			Primary		Secondary	Primary			Secondary
			A	Aux					
0601	50	0.30	20	100	1.5 & 1.5	6T	1T // 1T	1500	A
0602	50	0.30	20	100	3.00	6T	1T+1T	1500	A
0603	50	0.30	20	100	4.50	6T	3T	1500	B
0606	50	0.30	40	200	8.50	6T	6T	1500	C
0608	50	0.25	40	200	15.0	6T	8T	1500	C
0610	50	0.25	40	200	23.0	6T	10T	1500	C
1201	200	0.90	70	180	1.5 & 1.5	12T	1T // 1T	1500	A
1202	200	0.90	70	180	3.00	12T	1T+1T	1500	A
1203	200	0.90	70	180	4.50	12T	3T	1500	B
1206	200	0.70	140	360	8.50	12T	6T	1500	C
1208	200	0.70	140	360	15.0	12T	8T	1500	C
1210	200	0.70	140	360	23.0	12T	10T	1500	C

APPLICATION OF CONFIGURATION

Part Number PP20B-	V _{in}	V _{out} / I _{out}
0601	18 – 36 Vdc	1.2V@41.6A -- 1.8V@37.5A
0602	18 – 36 Vdc	2.5V@25.5A -- 3.3V@22.7A
0603	18 – 36 Vdc	5.0V @15A
0606	18 – 36 Vdc	8.0V@9.37A -- 10V@7.50A
0608	18 – 36 Vdc	12V@6.25A -- 15V@5.00A
0610	18 – 36 Vdc	16V@4.68A -- 18V@4.16A

APPLICATION OF CONFIGURATION

Part Number PP20B-	V _{in}	V _{out} / I _{out}
1201	36 – 75 Vdc	1.2V@41.6A -- 1.8V@37.5A
1202	36 – 75 Vdc	2.5V@25.5A -- 3.3V@22.7A
1203	36 – 75 Vdc	5.0V@15A
1206	36 – 75 Vdc	8.0V@9.37A -- 10V@7.50A
1208	36 – 75 Vdc	12V@6.25A -- 15V@5.00A
1210	36 – 75 Vdc	16V@4.68A -- 18V@4.16A

NOTES:

1. The inductance is measured in windings Pin (2-5) at 100 KHz 100 mVrms
2. The leakage inductance is measured in winding Pin (2 -5) with all other windings shorted

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

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

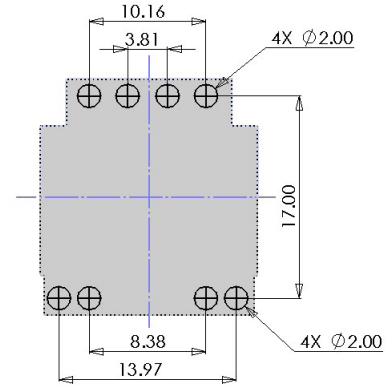
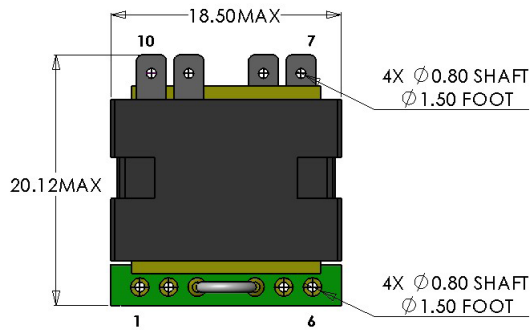
www.mpsind.com
sales@mpsind.com

PLANAR TRANSFORMERS HIGH FREQUENCY 75 WATT

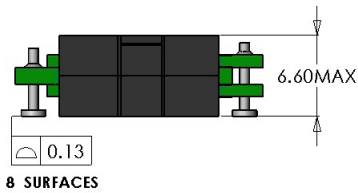


PP20B SERIES

DIMENSIONS (mm)



SUGGESTED PAD LAYOUT



SCHEMATICS

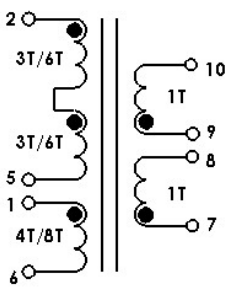


Figure A

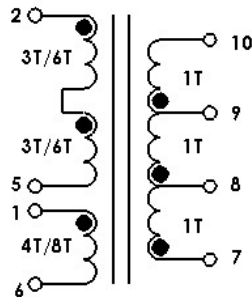


Figure B

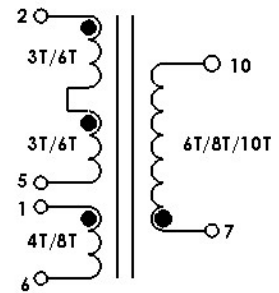


Figure C

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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