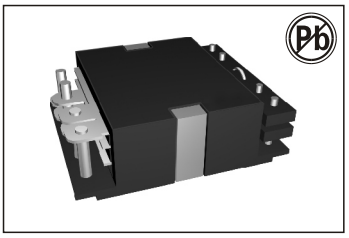
HaiNing Wealth Electronic Co,.Ltd.

HIGH FREQUENCY 100W PLANAR TRANSFORMERS

WE 20A SERIES



FEATURES:

- Power Rating Up to 100 Watts
- High Efficiency
- Footprint 20.12 mm × 18.50 mm
- Lower Profile of 7.4 mm
- High Isolation (operational) 1500 Vdc
- High Frequency 200 kHz–700 kHz
- Operating Temperature –40℃ to +125℃

OPTIONS:

- Weight: 7.60 grams
- Tape & Reel: 250/reel
- Tube: 20/tube

COMMON APPLICATIONS:

- High efficiencies,high power density of 400 watts per cubic inch DC/DC converters.
- For forward, full–bridge, half–bridge and push–pull DC/DC converters.
- Input voltages between 18V and 75V, and output voltages from 18V down to 1.2V DC/DC converters.
- Telecommunications, industrial control systems,
- Automotive and heavy equipment vehicle systems

ELECTRICAL CHARACTERISTICS:

Part Number	Primary Inductance (uH Min)	Leakage Inductance (uH Max)	DC Resistance (mΩ Max)				Turns Ratio		Primary Second Hi–Pot	Figure	M. Height
			Primary			Secondary	Primary	Secondary			
			A	B	AUX.						
WE20A0601	62.0	0.30	11.5	N/A	55	0.6//0.6	6T	1T//1T	1500VDC	A	7.4mm
WE20A0602	62.0	0.30	11.5	N/A	55	0.6+0.6	6T	1T+1T	1500VDC	A	7.4mm
WE20A0603	62.0	0.30	11.5	N/A	55	2.00	6T	3T	1500VDC	B	7.4mm
WE20A0606	62.0	0.25	23.0	N/A	110	12.0	6T	6T	1500VDC	C	7.4mm
WE20A0608	62.0	0.25	23.0	N/A	110	20.0	6T	8T	1500VDC	C	7.4mm
WE20A0610	62.0	0.25	23.0	N/A	110	35.0	6T	10T	1500VDC	C	7.4mm
WE20A1201	248	0.75	47.5	N/A	130	0.6//0.6	12T	1T//1T	1500VDC	A	7.4mm
WE20A1202	248	0.75	47.5	N/A	130	0.6+0.6	12T	1T+1T	1500VDC	A	7.4mm
WE20A1203	248	0.75	47.5	N/A	130	2.00	12T	3T	1500VDC	B	7.4mm
WE20A1206	248	0.70	95.0	N/A	260	12.0	12T	6T	1500VDC	C	7.4mm
WE20A1208	248	0.70	95.0	N/A	260	20.0	12T	8T	1500VDC	C	7.4mm
WE20A1210	248	0.70	95.0	N/A	260	35.0	12T	10T	1500VDC	C	7.4mm

APPLICATION OF CONFIGURATION

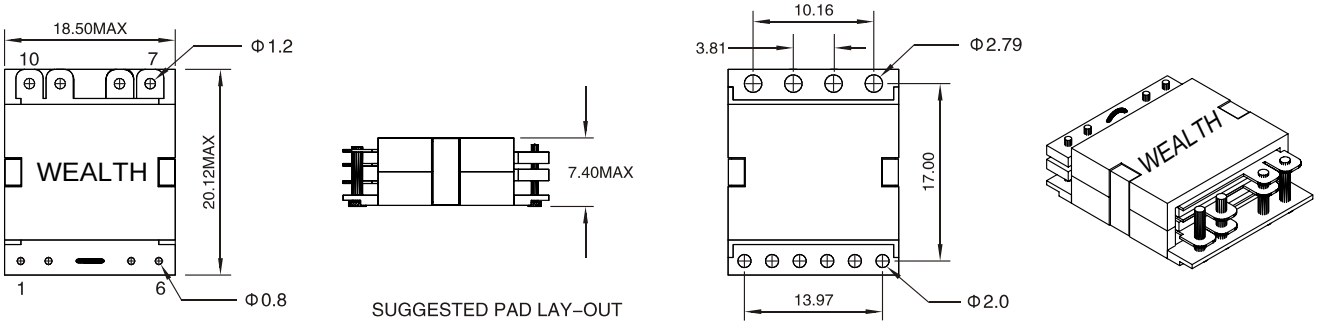
Part Number	Vin	Vout & Iout
WE20A0601	18–36Vdc	1.2V@55.0A–1.8V@50.0A
WE20A0602	18–36Vdc	2.5V@34.0A–3.3V@30.0A
WE20A0603	18–36Vdc	5.0V@20A
WE20A0606	18–36Vdc	8.0V@12.5A–10V@10.0A
WE20A0608	18–36Vdc	12V@8.33A–15V@6.67A
WE20A0610	18–36Vdc	16V@6.25A–18V@5.56A
WE20A1201	36–75Vdc	1.2V@55.0A–1.8V@50.0A
WE20A1202	36–75Vdc	2.5V@34.0A–3.3V@30.0A
WE20A1203	36–75Vdc	5.0V@20A
WE20A1206	36–75 Vdc	8.0V@12.5A–10V@10.0A
WE20A1208	36–75 Vdc	12V@8.33A–15V@6.67A
WE20A1210	36–75 Vdc	16V@6.25A–18V@5.56A

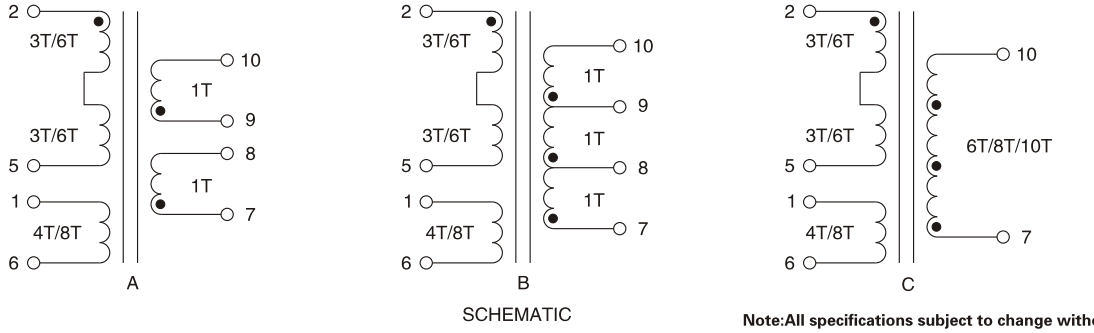
This is a matrix of the winding configurations.
They are ideally suited to hand between 75–100W of power supply on DC–CD converters application.

TECHNICAL INFORMATION

1. The inductance is measured in primary windings Pin(2–5).
2. The leakage inductance is measured in primary winding Pin(2–5) with all other windings shorted.
3. All specifications typical at T_A=25℃.

PHYSICAL CHARACTERISTICS





SCHEMATIC

Note:All specifications subject to change without notice.