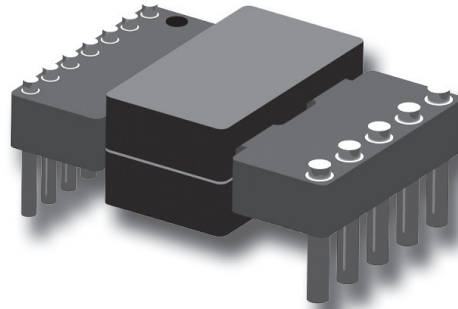


Third generation of planar transformers

- High power planar transformer for AC/DC SMPS.
- According UL1950 / EN60950.
- UL 94V0 material.
- Storage temperature from -20°C to 130°C.
- Operating temperature -20°C to 85°C.
- Power up to 40W.



Part Number	Input Voltage Vdc (V)	Output Voltage (V)	Output Current (A)	Power (W)	Frequency (kHz)	Duty cycle	Topology	Inductance (mH±25%)	Typ Leakage Inductance (µH)	Turns Ratio (Pri:Sec)	Max Total losses (W)
P218WD3DX1	100-350	3,3	12	40	400	0,42	Forward dual	1,55	0,5	12:1	0,8
P218WD3DX2	100-350	5	8	40	400	0,42	Forward dual	1,55	0,5	8:1	0,8
P218WD3DX3	100-350	12	3,3	40	400	0,49	Forward dual	1,55	0,5	4:1	0,8

Replace X by S for SMD application and P for PTH application.

[illegible][illegible]

Recommended PCB layout

The diagram shows a transformer with a magnetic core. On the left vertical leg, there are two windings: the top one is labeled 'Primary' and the bottom one is labeled 'Auxiliar'. On the right vertical leg, there is a single winding labeled 'Secondary'. The windings are represented by loops on the core legs, with dots indicating the start of each winding.

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