

# AC-DC SERIES: P258

## Third generation of planar transformers

### Features

- 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 1200W.



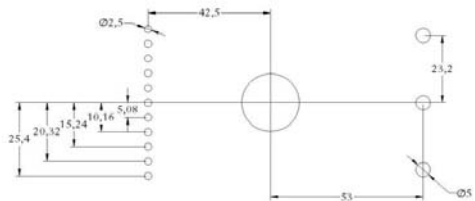
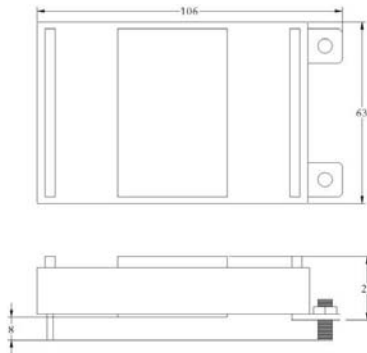
### Electrical specifications

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)
P258FB4DP1*	350-420	24	50	1200	80-100	0,46	Full - Bridge	4,89	2	6:1	10
P258FB4DP2*	350-420	48	25	1200	80-100	0,44	Full - Bridge	4,89	2	3:1	10

### Notes

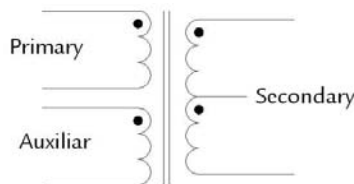
- \*Current doubler in secondary winding.
- Direct Leads on Secondary side. M-5 screw recommended.

### Dimensions



Recommended PCB layout

### Schematics



FULL BRIDGE