

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.



Planar Transformers

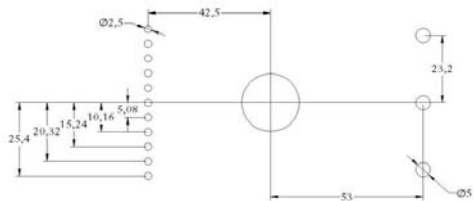
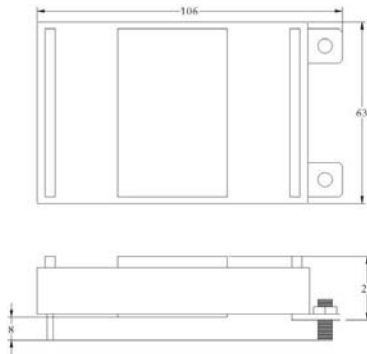
Electrical specifications

| 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

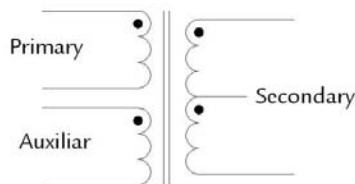
- *Current doubler in secondary winding.
- Direct Leads on Secondary side. M-5 screw recommended.

Dimensions



Recommended PCB layout

Schematics



FULL BRIDGE