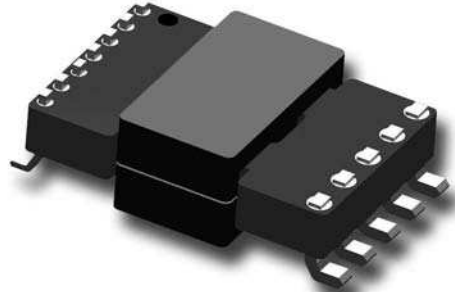


DC-DC SERIES: P018

Third generation of planar transformers

Features

- High power planar transformer for DC/DC converter.
- According UL1950 / EN60950.
- UL 94V0 material.
- Storage temperature from -20°C to 130°C.
- Operating temperature -20°C to 85°C.
- Power up to 50W.



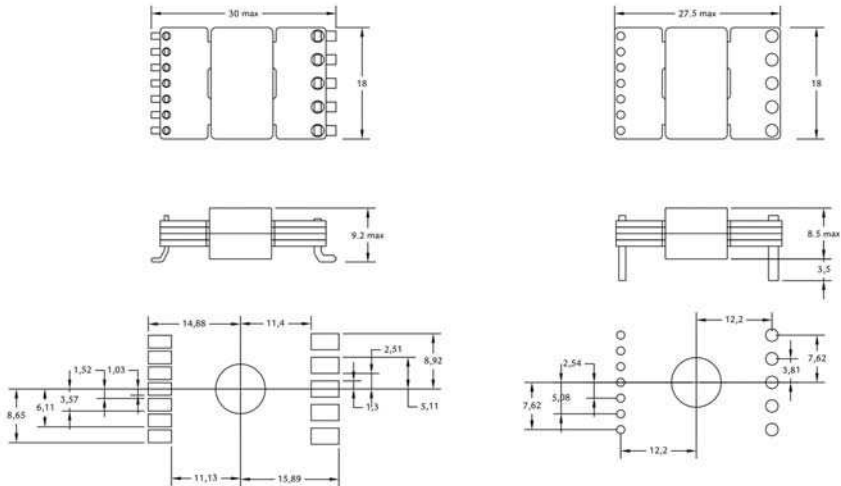
Electrical specifications

Part Number	Input Voltage Vdc (V)	Output Voltage (V)	Output Current (A)	Power (W)	Frequency (kHz)	Duty cycle	Topology	Inductance ($\mu\text{H}\pm 25\%$)	Typ Leakage Inductance (μH)	Turns Ratio (Pri:Sec)	Max Total losses (W)
P018FW1CX1	36-72	3,3	15	50	400	0,44	Forward	202,5	0,37	9:2	1
P018FW1CX2	36-72	5	10	50	400	0,43	Forward	202,5	0,37	3:1	1
P018FW1CX3	36-72	12	4	50	400	0,42	Forward	122,5	0,37	7:6	1

Notes

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

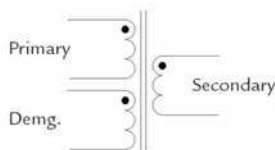
Dimensions



Recommended PCB layout

Recommended PCB layout

Schematics



FORWARD