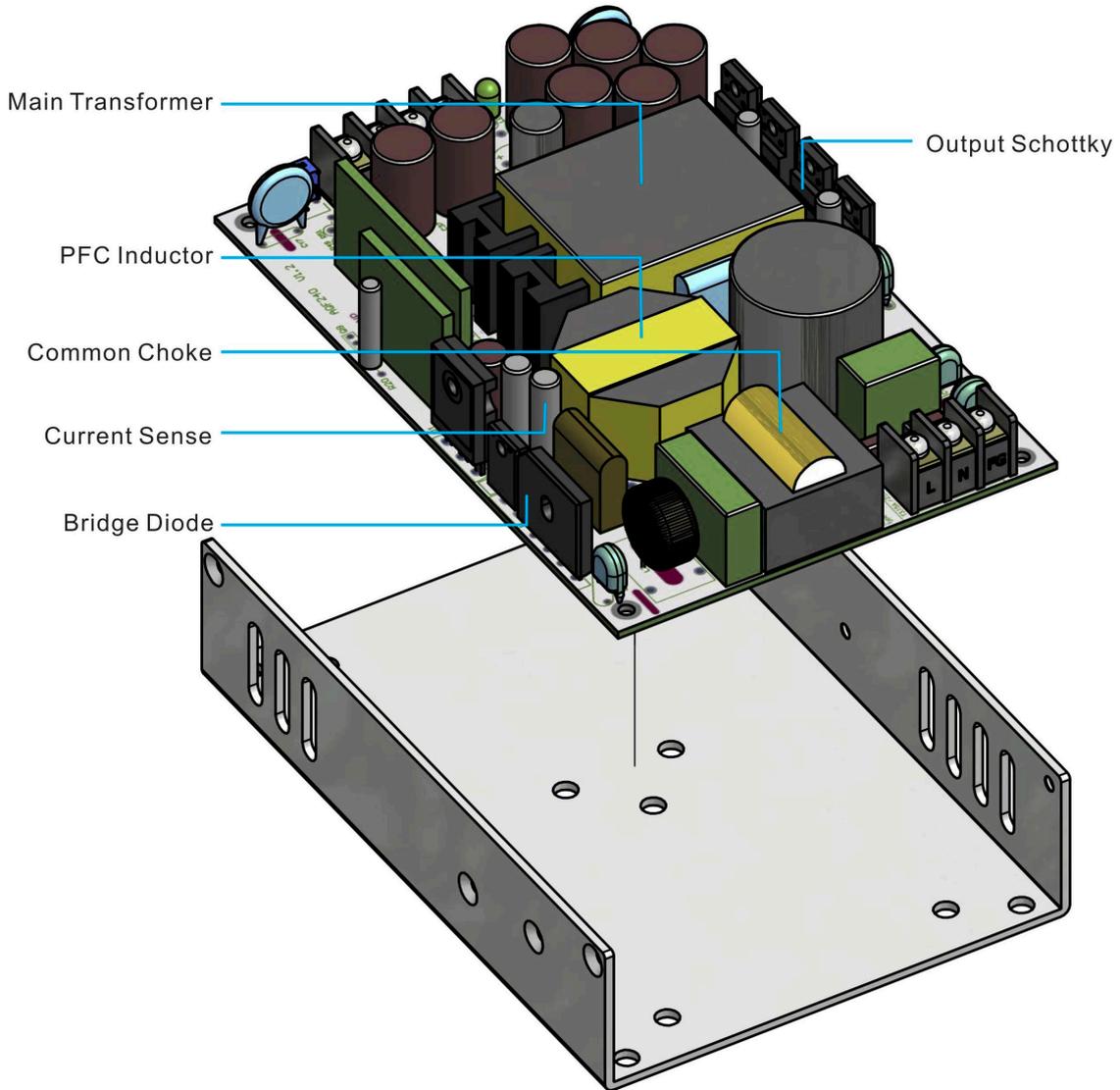


Thermal Consideration

Max. temperature of key components

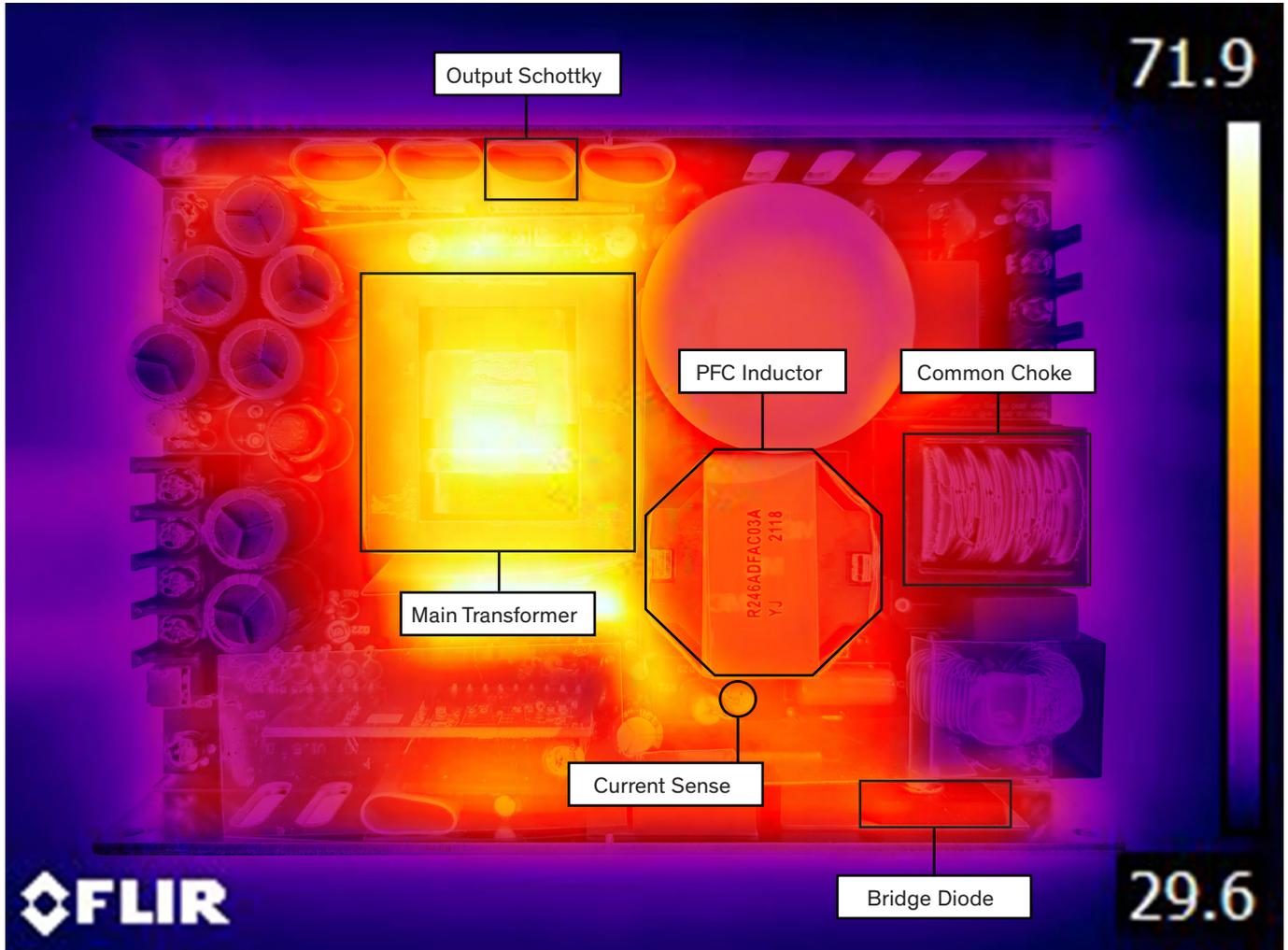


| Component | Bridge Diode | Common Choke | Main Transformer | Output Schottky | Current Sense | PFC Inductor |
|------------------|--------------|--------------|------------------|-----------------|---------------|--------------|
| Temp. limit [°C] | 120.0 | 120.0 | 130.0 | 120.0 | 120.0 | 130.0 |

Note: - TXH 240-112 is chosen as a representative model in this document.

Thermal cam images, taken at Ambient Temperature $\approx 27^{\circ}\text{C}$

Top View, Full Load



Temperature measurements at Ambient Temperature $\approx 50^{\circ}\text{C}$

| Component | Bridge Diode | Common Chocke | Main Transformer | Output Schottky | Current Sense | PFC Inductor | Ambient |
|-----------------------|--------------|---------------|------------------|-----------------|---------------|--------------|---------|
| Temp. [°C] at 115 Vin | 101.4 | 85.3 | 114.6 | 108.0 | 113.0 | 105.5 | 50.0 |
| Temp. [°C] at 230 Vin | 86.2 | 73.1 | 107.5 | 103.7 | 85.4 | 83.0 | |