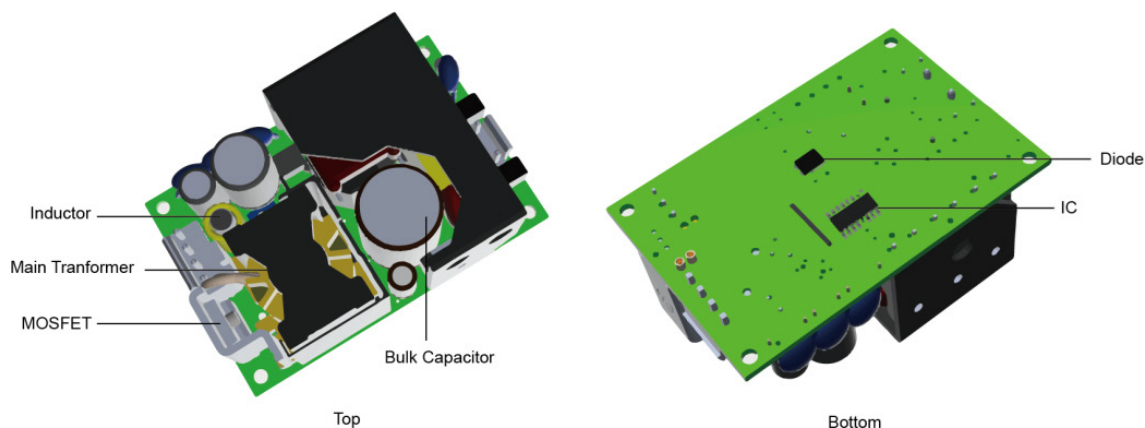


Thermal Consideration

Max. temperature of key components



| Component | Bulk Cap. | MOSFET | Inductor | DIODE | PWM IC | Main Transformer |
|------------------|-----------|--------|----------|-------|--------|------------------|
| Temp. limit [°C] | 105 | 120 | 125 | 120 | 120 | 125 |

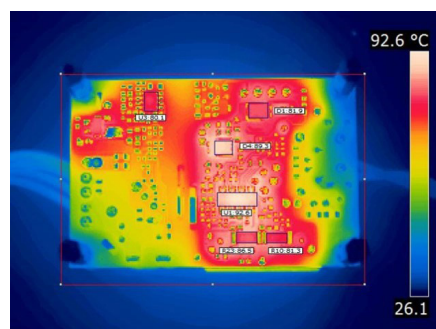
Note: - TPI 125-124A-J is chosen as a representative model in this document.

Thermal cam images

115 Vin; Full Load; Natural Convection; Top View

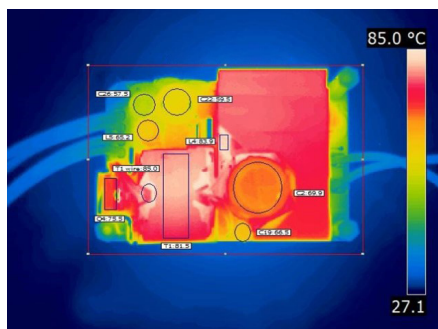


115 Vin; Full Load; Natural Convection; Bottom View

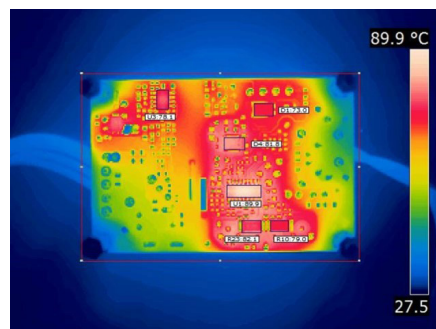


| Component | T1 wire | T1 core | Q4 | L4 | L5 | C26 | C22 | C19 | C2 | U1 | U3 | D1 | D4 | R10 | R23 |
|------------|---------|---------|----|------|------|------|------|------|------|------|------|------|------|------|------|
| Temp. [°C] | 87.4 | 87 | 85 | 96.8 | 70.8 | 58.9 | 63.3 | 75.1 | 80.4 | 92.6 | 80.1 | 81.9 | 89.3 | 81.3 | 86.5 |

230 Vin; Full Load; Natural Convection; Top View



230 Vin; Full Load; Natural Convection; Bottom View



| Component | T1 wire | T1 core | Q4 | L4 | L5 | C26 | C22 | C19 | C2 | U1 | U3 | D1 | D4 | R10 | R23 |
|------------|---------|---------|------|------|------|------|------|------|------|------|------|----|------|-----|------|
| Temp. [°C] | 85 | 81.5 | 75.5 | 83.9 | 65.2 | 57.5 | 59.5 | 66.5 | 69.9 | 89.9 | 78.1 | 73 | 81.8 | 79 | 82.1 |