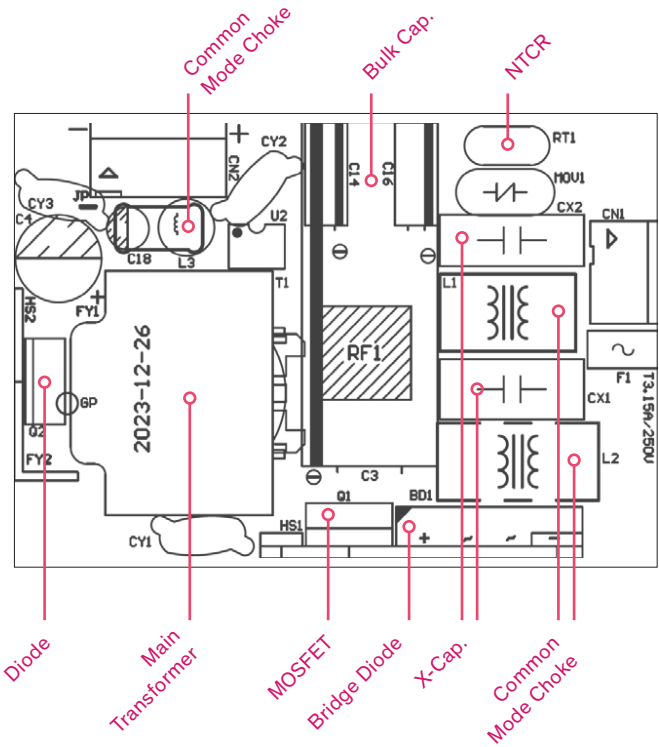


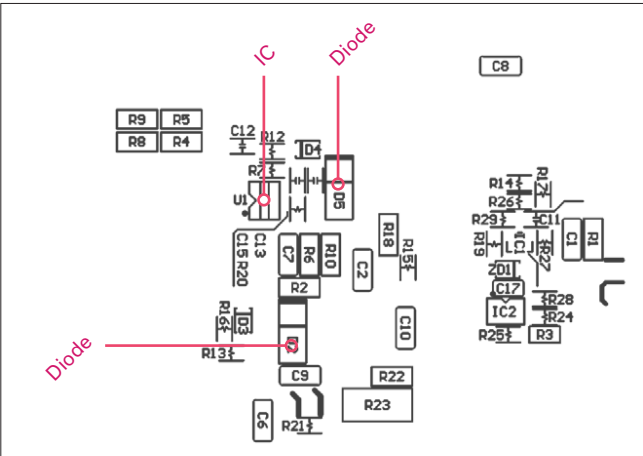
Thermal Consideration

Max. temperature of key components

Top View



Bottom View

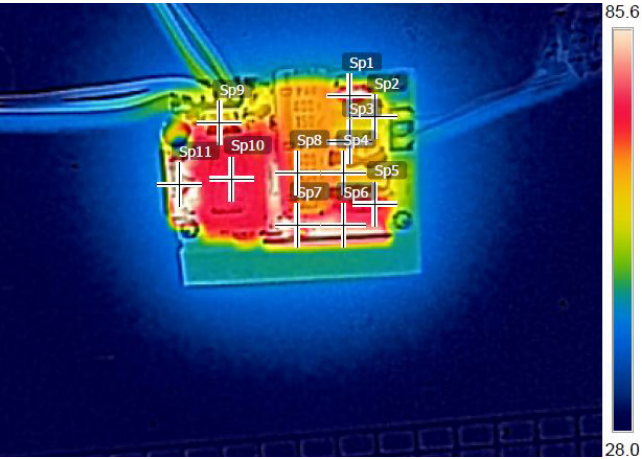


Component	Bridge Diode	Common Mode Choke	X-Cap.	MOSFET	Bulk Cap.	Diode	Main Transformer	IC	NTCR
	BD1	L1, L2, L4	CX1, CX2	Q1	C3	Q2, D2, D3	T1	U1	RT1
Temp. limit [°C]	150	130	100	150	105	150	110	150	170

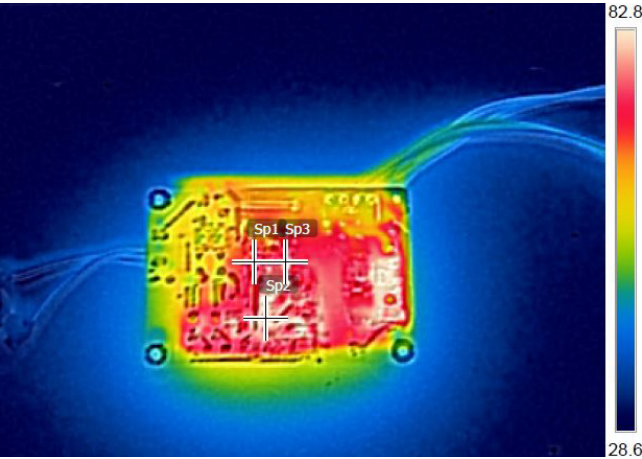
Note: - TXO 65-124-J is chosen as a representative model in this document.

Thermal cam images

115 Vin; Full Load; Natural Convection; Top View

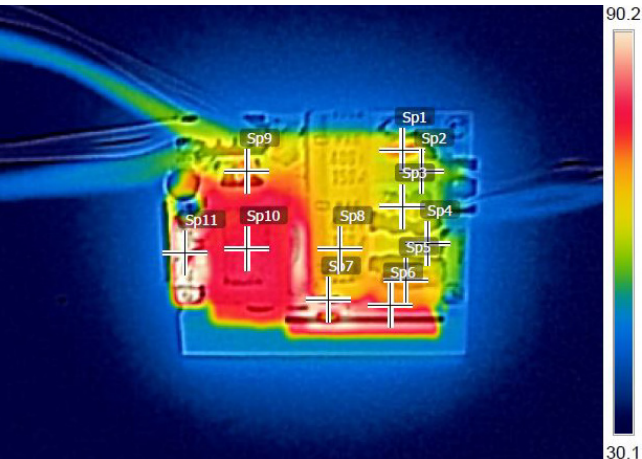


115 Vin; Full Load; Natural Convection; Bottom View

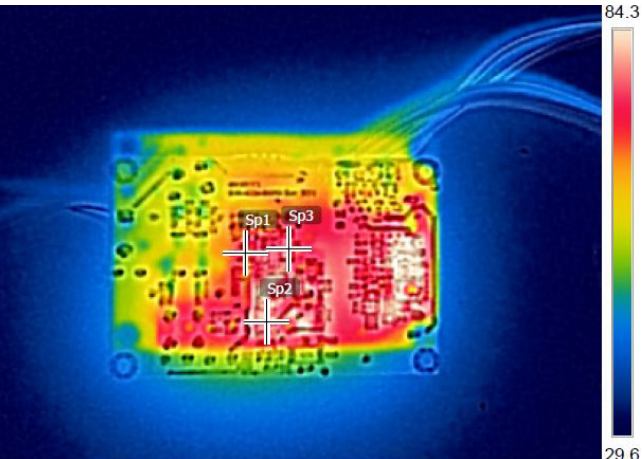


Measuring point	Top View											Bottom View		
	Sp1	Sp2	Sp3	Sp4	Sp5	Sp6	Sp7	Sp8	Sp8	Sp10	Sp11	Sp1	Sp2	Sp3
Component	RT1	CX2	L1	CX1	L2	BD1	Q1	C3	L4	T1	Q2	U1	D2	D5
Temp. [°C]	82.1	53.8	60.5	60.2	67.4	77.2	78.9	62.1	60.0	69.7	88.9	69.8	78.1	74.0

230 Vin; Full Load; Natural Convection; Top View



230 Vin; Full Load; Natural Convection; Bottom View



Measuring point	Top View											Bottom View		
	Sp1	Sp2	Sp3	Sp4	Sp5	Sp6	Sp7	Sp8	Sp8	Sp10	Sp11	Sp1	Sp2	Sp3
Component	RT1	CX2	L1	CX1	L2	BD1	Q1	C3	L4	T1	Q2	U1	D2	D5
Temp. [°C]	66.8	52.9	56.4	54.0	61.9	67.7	69.6	60.4	64.9	73.5	90.1	64.1	77.9	75.3