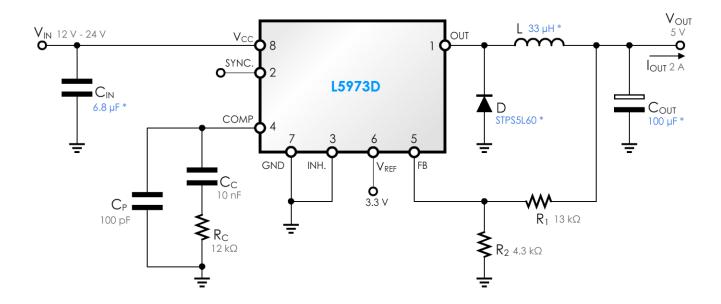
Project: UNTITLED



Vin: 12 V - 24 V Vout: 5 V Iout: 2 A Switch Frequency: 250 kHz IC: L5973D - HSOP 8

System Operating Condition: Vin: $24 \lor - lout$: $2 \land - Ta$: $25 \degree C$



Bill of Materials

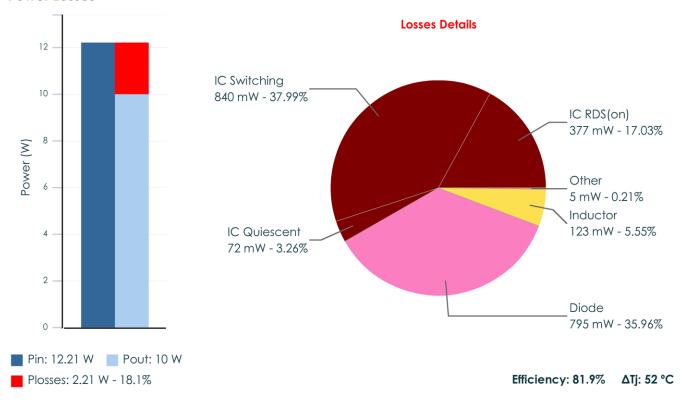
Туре	Reference	Value	Description
IC	IC	L5973D	L5973D - HSOP 8
Capacitor	Cin	6.8 µF	50 V - 20% - TDK - C4532X5R1H685M
Capacitor	Cout	100 μF	6.3 V - 20% - AVX - TPSC107M006R0150
Inductor	L	33 µH	5.5 A - Wurth Elektronik - 7443551331
Diode	D	STPS5L60	5 A, 60 V - STMicroelectronics
Resistor	R1	13 kΩ	13 kΩ
Resistor	R2	4.3 kΩ	4.3 kΩ
Capacitor	Сс	10 nF	10 nF
Resistor	Rc	12 kΩ	12 kΩ
Capacitor	Ср	100 pF	100 pF

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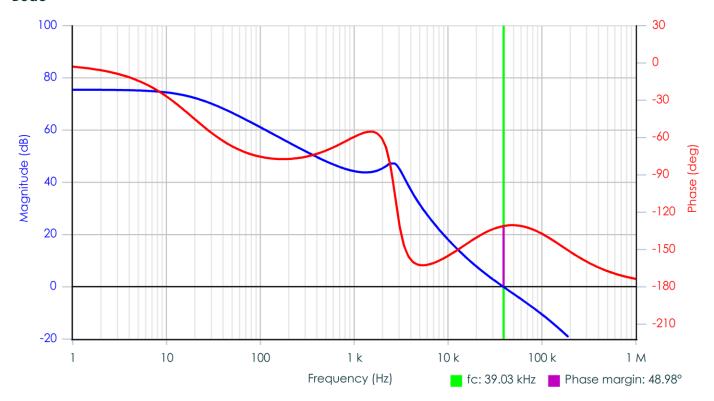
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Power Losses



Bode

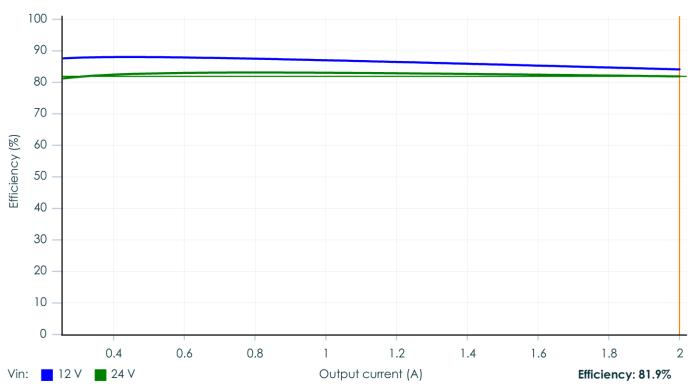


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Simulation



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