


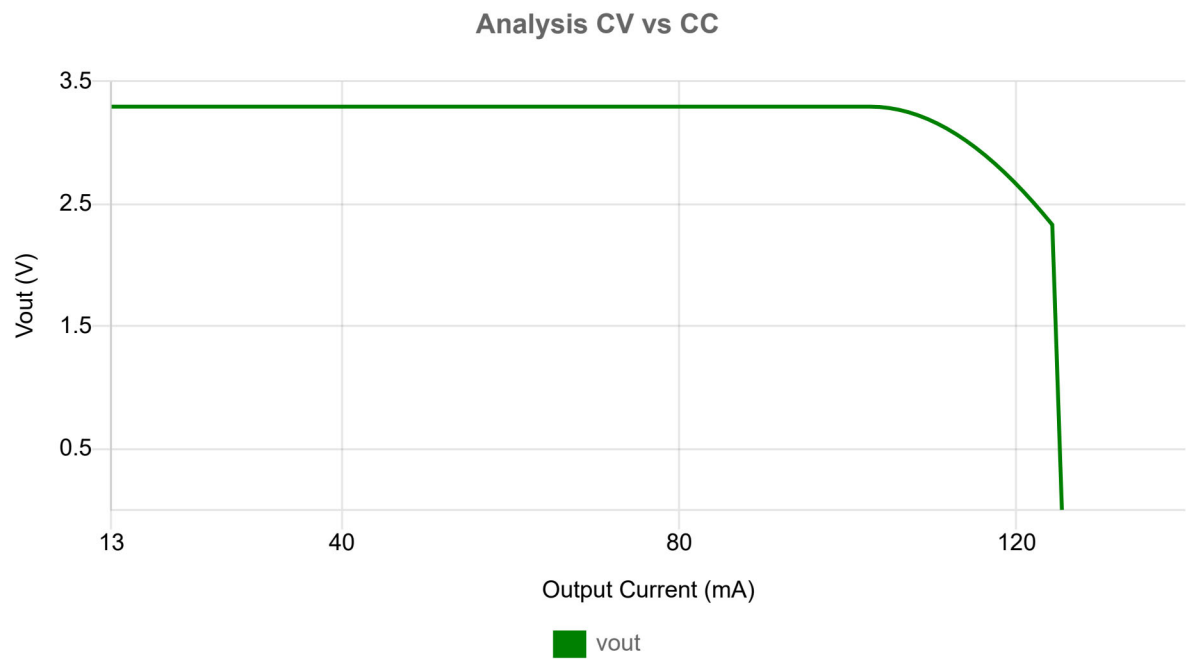


Circuit - BOM

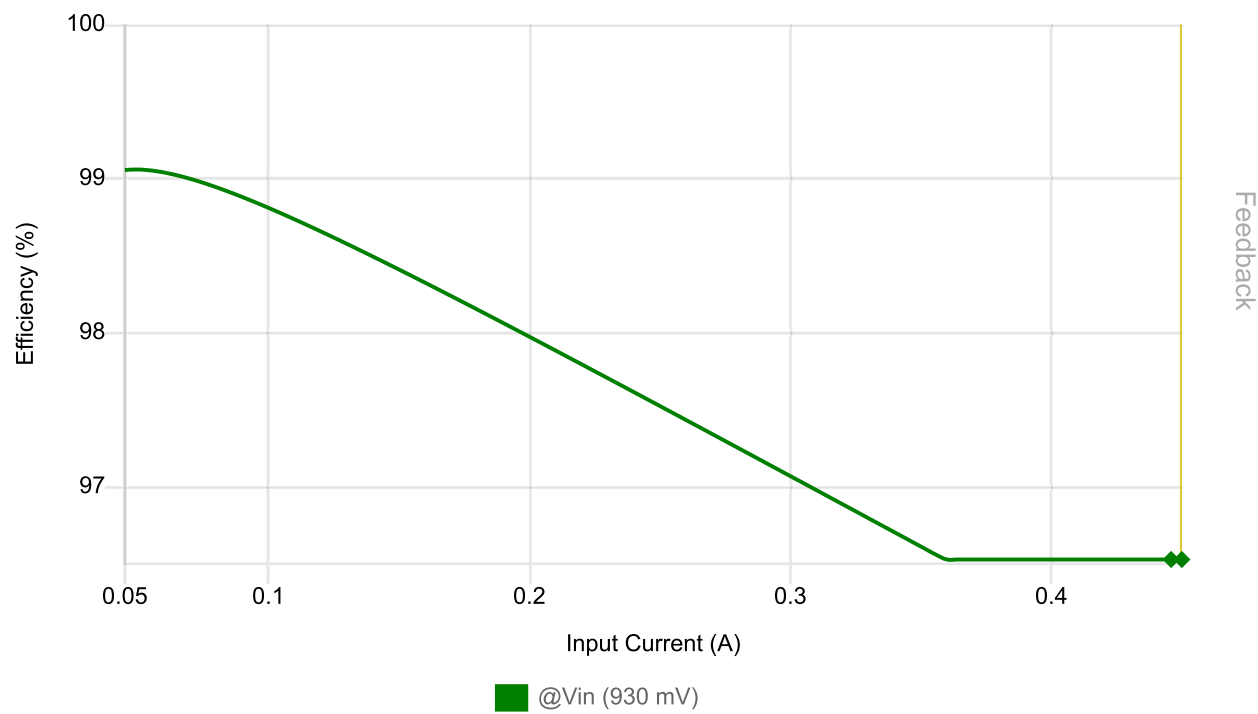
Type	Ref	Value	Description
IC 	IC	SPV1040T	SPV1040T - TSSOP 8 - STMicroelectronics
Capacitor	Cin	3 x 10 µF	4 V - 20% - Panasonic - ECJ1VB0G106M
Capacitor	Cout	10 µF	10 V - 10% - muRata - GRM21BR61A106KE19L
Inductor	L	10 µH	Unknown - \$Auto\$
Resistor	Rh	360 kΩ	Resistor value: 360 kΩ - tolerance: 1 %
Resistor	RI	220 kΩ	Resistor value: 220 kΩ - tolerance: 1 %
Capacitor	CinSNS	1 nF	1 nF - Voltage rating > 5.2 V
Capacitor	CoutSNS	1 nF	1 nF - Voltage rating > 5.2 V
Diode	Dout	SMM4F5.0	Vbr:6.8 V , Vcl:9.2 V - STMicroelectronics
Resistor	RS	510 mΩ	510 mΩ
Resistor	RF1	1 kΩ	1 kΩ
Resistor	RF2	1 kΩ	1 kΩ
Capacitor	CF	1 µF	1 µF
Resistor	R3	1 kΩ	1 kΩ

Feedback

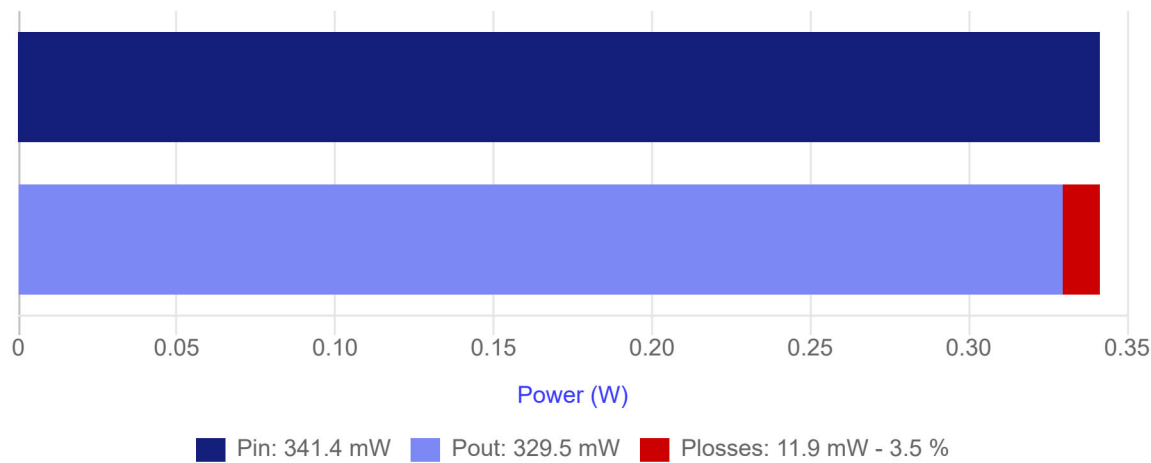
CV vs CC



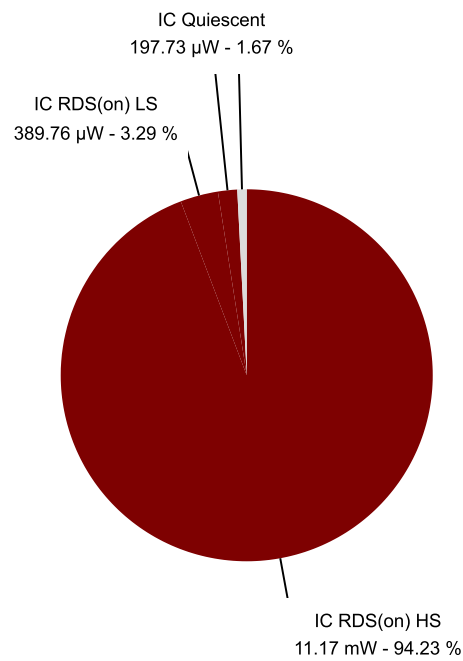
Efficiency: 96.5 %



Efficiency: 96.5 %



Losses details



Feedback