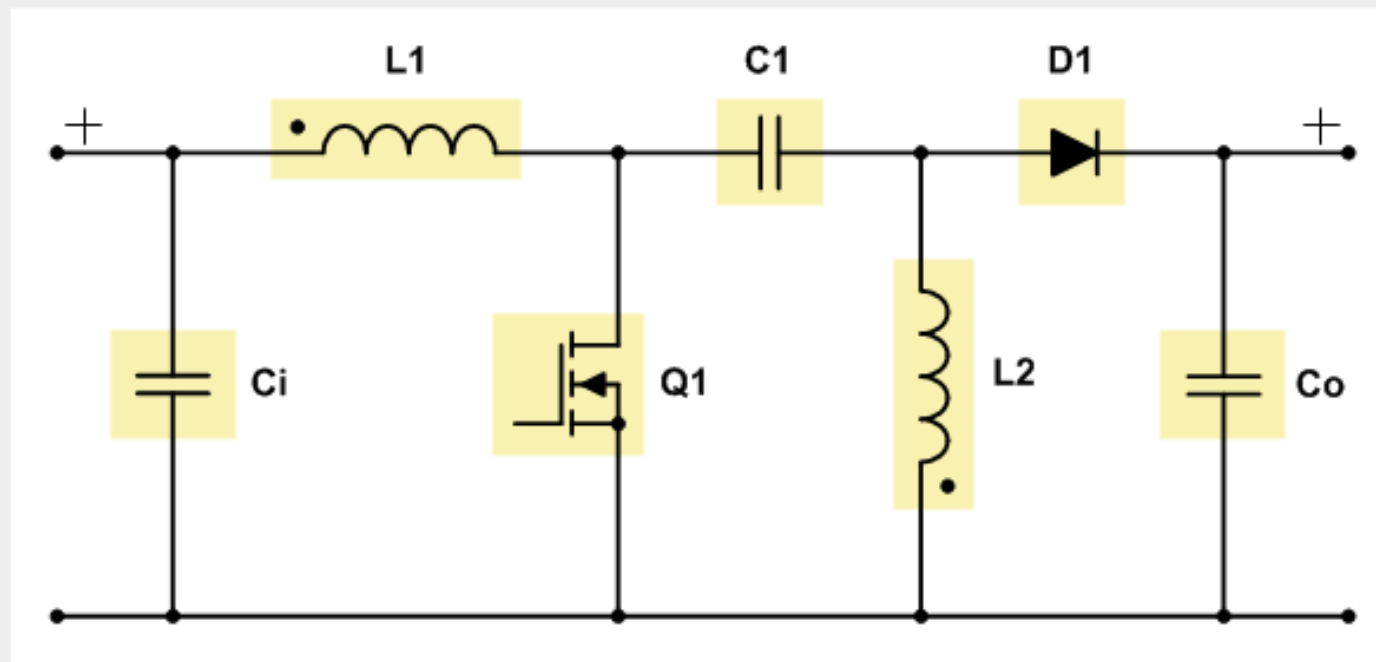


Minimum Input Voltage:	4.5	V
Maximum Input Voltage:	35	V
Output Voltage:	36	V
Output Current:	0.78	A
Switching Frequency:	300	kHz
Diode Voltage Drop:	0.5	V
Inductor L1 Current Ripple:	90	%
Inductor L2 Current Ripple:	90	%

☐ Single Inductors

☒ Coupled Inductors



Recommended Value

Calculated Inductance L1:	40.68 μH
Calculated Inductance L2:	42.42 μH

Choose Values

Choose Inductance L1: μH
 Choose Inductance L2: μH
 Choose Capacitor: μF

Calculated Values at Input Voltage: 4.50 V

Period:	3.33 μ s	Input Power:	28.47 W	Input Current:	6.33 A
Duty Cycle:	89.02 %	Output Power:	28.08 W	Current Ripple L1:	0.45 A
On-Time:	2.97 μ s	Diode Losses:	0.39 W		7.04 %
Off-Time:	0.37 μ s			Current Ripple L2:	0.45 A
Zero-Time:	0.00 μ s				57.07 %

RHPZ: 5.81 kHz

Info