



Search Parts

MP1584

Input Main Specs

Application Name: MPSApps3.11

Input Voltage Vin(V): 12

Min. Input Voltage Vinmin(V): 9

Max. Input Voltage Vinmax(V): 18

Output Voltage Vout(V): 4

Output Current Iout(A): 0.15

Switching Frequency(kHz): 500

Input Optional Specs

Input Voltage Ripple(mV): 360

Output Voltage Ripple(mV): 40

Input Voltage UVLO(V): 7.2

Desired Bandwidth(kHz): 50

High Current Of Transient(A): 0.15

Low Current Of Transient(A): 0.075

Slew Rate of Transient(A/us): 1

Output Cap Type: Ceramic

Compensation Type: Type1

Calculated Specs. Results

Input Voltage Ripple(mV): 14.93

Output Voltage Ripple(mV): 1.36

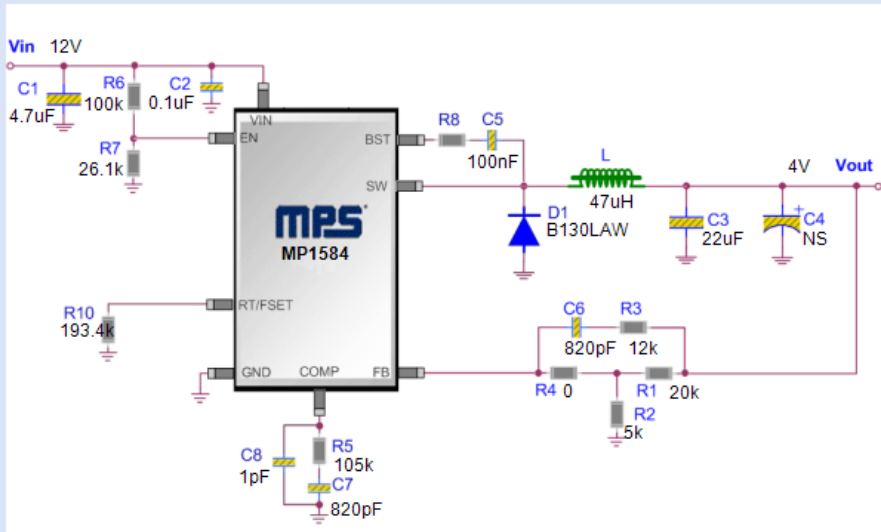
Calculated Bandwidth(kHz): 50

Phase Margin(degree): 28.6

Gain Margin(dB): -30.86

Output Transient Ripple(mV): 0.44

Efficiency(%) 85.67

 Manually Change Power Stage Components?

Automatic Compensation

Calculated MP1584

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