

A-6. PFC CCM Synchro $V_{in}=200V$ $I_{in}=2.5A$

Input :
 $V_{in}=200V_{ac}$ $I_{in}=2.5A_{ac}$
 $f_{ps}=50HZ$

Output : $V_o=500V_{dc}$

GD-IC : BM61S41RFV

Gate Drive : $V_d=18V$
 $R_{source}=5\Omega$
 $R_{sink}=2\Omega$
 $f_{sw}=100kHz$

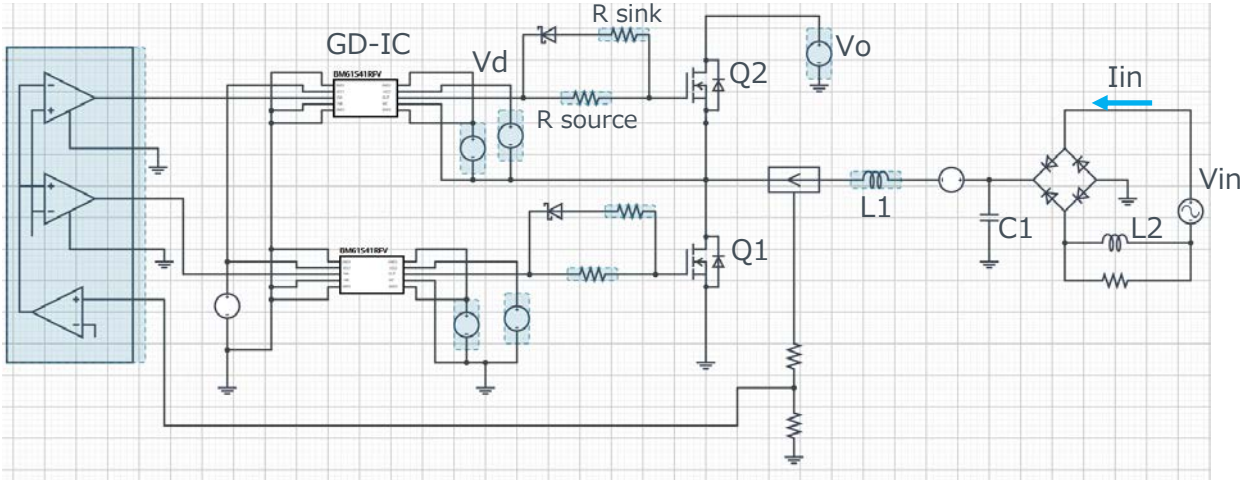
Q1,Q2 : SCT2450KE
SiC MOSFET (1200V 10A)

$L1 : 1mH$, $L2 : 100\mu H$

$C1 : 200nF$

$T_j : 100^\circ C$

A-6. PFC Continuous Current Mode Synchro
 $V_{in}=200V$ $I_{in}=2.5A$ Simulation Circuit



Notes

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