Forward Converter:

V_s= 24V

V_o= 12V

R= 3Ω

L= 0.4mH

L_m= 0.66mH

f= 35kHz

D= 0.4

$I_L = V_o / R$ = 4A

$\Delta i_L = V_o*(1-D)*T_s/L = 12*(1-0.4)/(0.4m*35kHz)$ = 0.52A

$\dot{I}_{L(max)} = i_{L(ave)} + \Delta i_L/2$ = 4.26A

$\dot{I}_{L(min)} = i_{L(ave)} - \Delta i_L/2$ = 3.74A

$\dot{I}_{LM(max)} = V_s*D*T/L_m = 24*0.4/(0.66mH*35kHz)$= 0.42A