



HONGHA 2

	DIGBT and Diode calculation (Choose cos 4= 0,8)
	I GH I G BT average comproper.
	TV = 1 (1= 054) 1 JOM Sin (0-4) de
	$\frac{1}{2n}$
	- 1+ co 4 I om
	- (A 2n (1))) (1)
	- 2,103 (A)
	Drode average avvient:
	Drode average surrent: To - 121 Tom sin (0 - 9) d0
	211
	1-ces q + om = 0,23 (A)
	a.(
	Choose TGBT Tang = 2,03 K, = 6,09(A)
	Veah - KVRys - 760 V
	Chool Mode Tay - 0,23. Kg - 0,7 (A)
	plan = T60V
	(+) Inductor design (choose AT % - 20%)
	DInductor Jesign (Choose DT% - 20%) Li = VBUS - 380
	4 FSW. A TPP/man 4.104, 2,07.0,2
	2 (mH) will read
-	Check Drof voltage (dess than 10%)
	Drop voltage: Ws. Li. Io
	$\frac{100n.6,72.10^{-3}.5}{1000000000000000000000000000000000000$
	- 10,56 (N 4,8% Vout)
	Javg - Jo - 5 (A)
*	Chool inductor 1 = 6,72 mfl
	Tavg = 5. Kg = 15(A)
	(Capacitor:
	Choose Wec - 0,1 Wsw - 2000 p
	C= 3,77 (MF)
	L. W. Menongha





