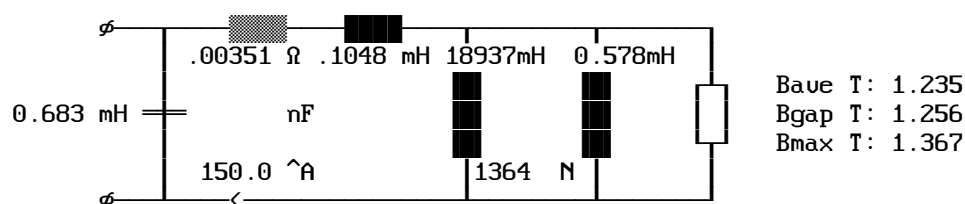


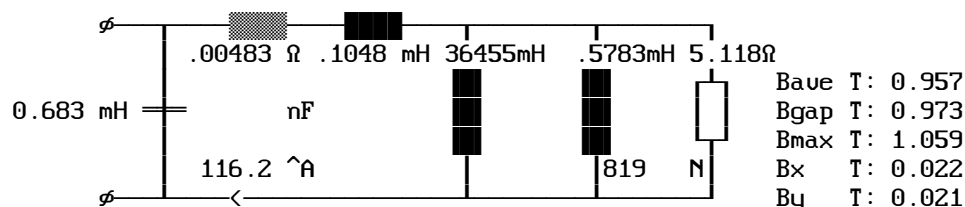
	L	mH	I	^A	1---	2---	3---	4---	5---	6---	7---	8---
Schema :1.	0.68	150.	Harmo. -:1		5	7	11	13				
L-Type *:2.			Curre. A:72	23	11.4	6.5	5.3					
Wire -:3.			Angle °:270.	180.	180.	0.	0.					
Ins/L μ:0.												
Ins/E μ:100.												
Al/Cu -:1.												
Fre.Hz:50												
Ripple %:10.												

Q-Factor :50	Steel -:5	Cooling *:1	Bobbin -:1
Kal.Freq.Hz:50	Induction T:1.40	Ventil. m/s:0	Stomach *:1
LQFreq. Hz:50	Plate -:1	Brackets -:2	Rac/Rdc *:1.3
:0	W/kg *:1	Radiator -:0	Space Fac. *:0.95
Amb.Temp.°C:40	UAr/kg *:1	Chassis -:1	Force -:0
Tmp.rise °K:75	Gap posit. *:4	Channel cm:0.	Windintech. -:1
Time 1 Min:30	Annealed -:0	Fe-Chan. cm:0	Impregnat. -:2
Load 1 *:1	Stack.Fac. *:1.92	Rth-Uarn. *:1.5	Full Layer -:0
Time 2 Min:30	Hole -:1	Rth-Comp. *:1.5	Selection -:1
Load 2 *:1	Core Asse. -:4	Case -:0	Criteriom -:2

Type of the Inductance $L=U/I_{eff}/R1$ 

Nominal operation mode at the temperature °C 114.5

Nominal current Inom rms A:76.89	Peak current of Inom ^A:116.2
Al/Cu Losses/phase W:40.12	Steel Losses/phase(activ) W:38.11
Addy current losses factor :1.405	Q-Factor :44.42
dT Fe (average) °K:72.17	dT Winding (hot spot) ^°K:74.52
dT Case (average) °K:0.0	dT Windig (average) °K:74.33



Harmonics :1.	5.	7.	11.	13.	0.	0.	0.
Current rms A:72.	23.	11.4	6.5	5.3	.	.	.
Al/Cu Losses W:27.97	7.582	2.502	1.173	.892	.	.	.
Fe-Losses W:8.999	14.31	6.755	4.341	3.713	.	.	.

Duty cycle operation mode at the amboent temperature °C 114.5

dT Steel (average) °K:72.17	dT Winding (hot spot) °K:74.52
dT Case (average) °K:0.0	dT Winding (average) °K:74.33

Inductance and induction at the impressed peak current

Current ^A	15.	150.	.	.	.	225.	.	300.	.
Induction ^T	.124	1.235	.	.	.	1.842	.	2.354	.
$L=U1/R1/I1$ mH									
$L=U1/R1/I_{eff}$ mH	0.683	0.683	0.	0.	0.	0.679	0.	0.623	0.
$L=\Sigma U \cdot t / ^\wedge I$ mH									
$L=dU/R1/dI$ mH									
Leaking Ind. mH	0.105	0.105	0.	0.	0.	0.104	0.	0.099	0.
Gap-Induct. mH	0.578	0.578	0.	0.	0.	0.578	0.	0.544	0.

Name :3XUI 120/61 Sch oD 56.3/5
Steel :M330-50A / 1.35 50A330

⌀ G

⌀

⌀

1

1

1

2-3

2-3

2-3

4-5

4-5

4-5

6-7

6-7

6-7

8

8

4

⌀

⌀

⌀

With 3 bobbins

a2

d2

a1

d1

A-Limb(Dia.) cm:4.00
B-Width cm:4.00
C-Height cm:12.00
D-Stack/Dia. cm:6.08
E-Yoke cm:4.00
F-Rearyoke cm:4.00
G-Hole ° cm:1.156
Angle °:1.00
Radiator Ribs :0
Radiator Chann.:0
a1 cm:4.48
a2 cm:7.84
d1 cm 6.48
d2 cm 10.48
l cm:11.44
lp cm:
ls cm:
Margin cm:0.28

X- Lenght 1 cm:
Y- Width 1 cm:
Z- Height 1 cm:
x- Lenght 2 cm:
y- Width 2 cm:
z- Height 2 cm:
w- Thicknes cm:
SPK Material :
Compound cm^3:

Cooling channels:
Coil cm:0.00
Coil-Core cm:0.00
Core cm:0.00

	Turns	T	G	G	Paral	T/ϕ mm	W/ϕ mm	Pitch mm	T/L	L	I/L μ	I/E μ	Weight gr	RWH %
1	28.	2	80	99	1	3.55	10.		10.0	2.8	0.	100	2222.7	69.
2														
3														
4														

Order									
Layers									
STurns									
Position	1	2	3	4	5	6	7	8	
Gap mm	1.011	0.	0.	1.011	1.011	0.	0.	1.011	
Voltag.U	2.282	22.82	0.	0.	0.	34.06	0.	41.61	
Curren.A	10.63	106.3	0.	0.	0.	159.5	0.	212.7	

Order :
Customer :
Remarks :

Date :12-23-2023
Time :15:41:46