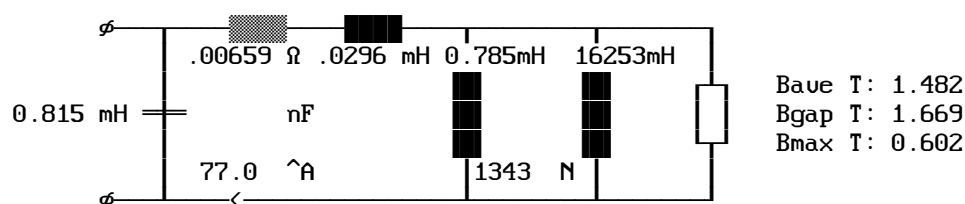


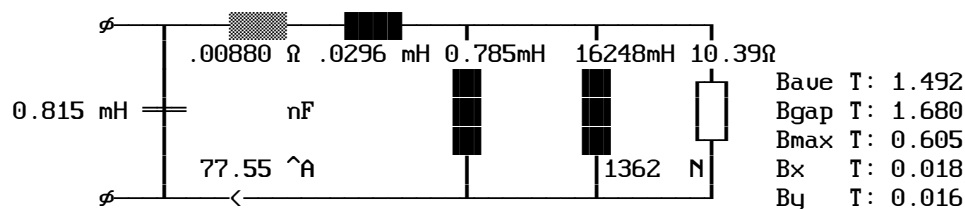
	L mH	I ^A	1---	2---	3---	4---	5---	6---	7---	8---
Schema	:1.	0.73	77.	Harmo. -:1	399	401				
L-Type	*:4.			Curre. A:50	2.5	2.5				
Wire	-:0.			Angle °:0.	0.	180.				
Ins/L	μ:0.									
Ins/E	μ:100.									
Al/Cu	-:1.									
Fre.Hz	:50									
Ripple %	:10.									

Q-Factor	:50	Steel	-:54	Cooling	*:1	Bobbin	-:1
Kal.Freq.Hz	:50	Induction T	:.7	Ventil. m/s	:0	Stomach	*:1
LQFreq. Hz	:20000	Plate	-:0	Brackets	-:1	Rac/Rdc	*:1.3
	:0	W/kg	*:1	Radiator	-:0	Space Fac.	*:2
Amb.Temp.°C	:40	UAr/kg	*:1	Chassis	-:1	Force	-:0
Tmp.rise °K	:75	Gap posit.*	:3	Channel cm	:0.	Windintech.	-:1
Time 1 Min	:30	Annealed	-:0	Fe-Chan. cm	:0	Impregnat.	-:2
Load 1	*:1	Stack.Fac.*	:1	Rth-Uarn.	*:1.5	Full Layer	-:0
Time 2 Min	:30	Hole	-:1	Rth-Comp.	*:1.5	Selection	-:2
Load 2	*:1	Core Asse.	-:4	Case	-:0	Criteriom	-:2

Type of the Inductance $L=dU/dI/R1$ 

Nominal operation mode at the temperature °C 104.6

Nominal current Inom rms	A:50.12	Peak current of Inom	^A:77.55
Al/Cu Losses/phase	W:27.43	Steel Losses/phase(activ)	W:14.71
Addy current losses factor	:1.241	Q-Factor	:29.11
dT Fe (average)	°K:53.74	dT Winding (hot spot)	^°K:64.62
dT Case (average)	°K:0.0	dT Windig (average)	°K:63.74



Harmonics	:1.	399.	401.	0.	0.	0.	0.	0.
Current rms	A:50.	2.5	2.5	.	.	.	.	.
Al/Cu Losses	W:22.51	2.46	2.466	.	.	.	.	.
Fe-Losses	W:3.232	5.728	5.759	.	.	.	.	.

Duty cycle operation mode at the amboent temperature °C 104.6

dT Steel (average)	°K:53.74	dT Winding (hot spot)	°K:64.62
dT Case (average)	°K:0.0	dT Winding (average)	°K:63.74

Inductance and induction at the impressed peak current

Current ^A	7.7	77.	.	.	.	115.5	.	154.	.
Induction ^T	.156	1.482	.	.	.	2.203	.	2.921	.
$L=U1/R1/I1$ mH									
$L=U1/R1/Ieff$ mH									
$L=\Sigma U*t/^I$ mH									
$L=dU/R1/dI$ mH	0.856	0.815	0.	0.	0.	0.808	0.	0.803	0.
Leaking Ind. mH	0.03	0.03	0.	0.	0.	0.029	0.	0.029	0.
Gap-Induct. mH	15346	16253	0.	0.	0.	16104	0.	16006	0.

Name: 1XE450
Steel: Powder -70 /200C/50Hz-500kHz Micrometals /1.
Weight gr:2036.7

T
E
C
E
I

∅ G

6

1

6

5

2

5

4

3

4

∅

∅

∅

6

1

6

5

2

5

4

3

4

∅

∅

∅

6

1

6

5

2

5

4

3

4

∅

∅

A-Limb(Dia.) cm:3.48
B-Width cm:2.21
C-Height cm:5.67
D-Stack/Dia. cm:3.48
E-Yoke cm:1.74
F-Rearyoke cm:1.74
G-Hole ° cm:0.00
Angle °:1.00
Radiator Ribs :0
Radiator Chann.:0
a1 cm:3.90
a2 cm:7.73
d1 cm 3.90
d2 cm 7.73
l cm:5.27
lp cm:
ls cm:
Margin cm:0.20

a2

1

1

a1

d2

1

1

d1

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/∅ mm	W/∅ mm	Pitch mm	T/L	L	I/L μ	I/E μ	Weight gr	RWH %
1	30.	0	108	18	1	4.5	4.5		10.1	2.97	0.	100	837.65	74.
2														
3														
4														

Order									
Layers									
STurns									
Position	1	2	3	4	5	6	7	8	
Gap mm	0.	0.	0.	0.	0.	0.	0.	0.	
Voltag.U	21019	21019	0.	0.	0.	31529	0.	42039	
Curren.A	5.461	54.60	0.	0.	0.	81.91	0.	109.2	

Order :
Customer :
Remarks :

Date :11-17-2023
Time :16:36:55