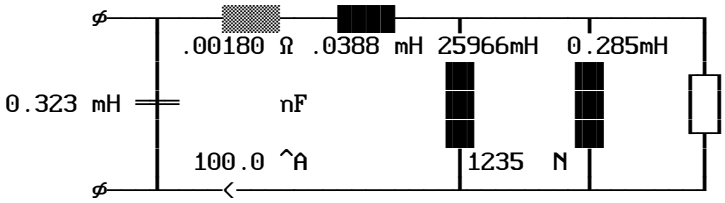
	L mH	I ^A
Schema :1.	0.32	100.
L-Type *:2.		
Wire -:3.		
Ins/L µ:0.		
Ins/E µ:100.		
Al/Cu -:1.		
Fre.Hz:50		
Ripple %:10.		

	1---	2---	3---	4---	5---	6---	7---	8---
Harmo. -:1	3	5	7	9				
Curre. A:90	30	18	13	10				
Angle °:0.	0.	0.	0.	0.				

Q-Factor :50	Steel -:1	Cooling *:1	Bobbin -:1
Kal.Freq.Hz:50	Induction T:1.44	Ventil. m/s:0	Stomach *:1
L@Freq. Hz:50	Plate -:0	Brackets -:2	Rac/Rdc *:1.3
:0	W/kg *:1	Radiator -:0	Space Fac. *:0.95
Amb.Temp.°C:40	VAr/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.*:.92	Rth-Varn. *: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

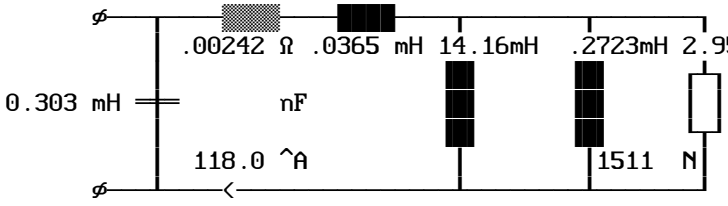
Type of the Inductance L=U/Ieff/Ω1



Bave T: 1.412
Bgap T: 1.354
Bmax T: 1.519

Nominal operation mode at the temperature °C 108.0

Nominal current Inom rms A:97.94		Peak current of Inom	^A:118.0
Al/Cu Losses/phase	W:24.29	Steel Losses/phase(activ)	W:22.84
Addy current losses factor :1.046		Q-Factor	:42.03
dT Fe (average)	°K:56.27	dT Winding (hot spot)	^°K:68.04
dT Case (average)	°K:0.0	dT Windig (average)	°K:67.07



Bave T: 1.570
Bgap T: 1.498
Bmax T: 1.680
Bx T: 0.012
By T: 0.018

Harmonics :1.	3.	5.	7.	9.	0.	0.	0.
Current rms A:90.	30.	18.	13.	10.	.	.	.
Al/Cu Losses W:19.83	2.404	1.002	.621	.437	.	.	.
Fe-Losses W:6.307	3.977	4.092	4.222	4.252	.	.	.

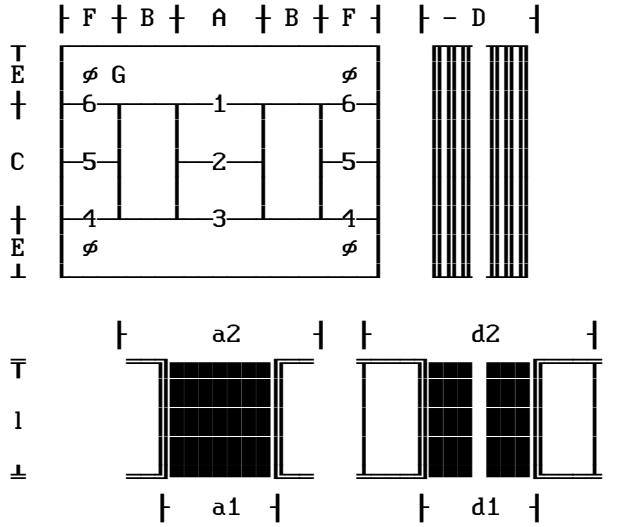
Duty cycle operation mode at the amboent temperature °C 108.0

dT Steel (average)	°K:56.27	dT Winding (hot spot)	°K:68.04
dT Case (average)	°K:0.0	dT Winding (average)	°K:67.07

Inductance and induction at the impressed peak current

Current ^A	10.	100.	.	.	.	150.	.	200.	.
Induction ^T	.144	1.412	.	.	.	2.185	.	2.914	.
L=U1/Ω1/I1 mH									
L=U1/Ω1/Ieff mH	0.331	0.324	0.	0.	0.	0.331	0.	0.331	0.
L=ΣU*t/^I mH									
L=dU/Ω1/dI mH									
Leaking Ind. mH	0.04	0.039	0.	0.	0.	0.04	0.	0.04	0.
Gap-Induct. mH	0.291	0.285	0.	0.	0.	0.555	0.	18.89	0.

Name :1XEI 96/59.7 AK
Steel :M 165-35 =>M6 0.014" 35G165 /.35



Weight	gr:2483.6
A-Limb(Dia.)	cm:3.20
B-Width	cm:1.60
C-Height	cm:4.80
D-Stack/Dia.	cm:5.95
E-Yoke	cm:1.60
F-Rearyoke	cm:1.60
G-Hole	° cm:0.547
Anglee	°:0.00
Radiator Ribs	:0
Radiator Chann.	:0
a1	cm:3.52
a2	cm:6.24
d1	cm 6.27
d2	cm 9.38
l	cm:4.36
lp	cm:
ls	cm:
Margin	cm:0.22

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/ø mm	W/ø mm	Pitch mm	T/L	L	I/L µ	I/E µ	Weight gr	RWH %
1 2 3 4	11.	2	81	90	1	3.75	6.3		5.6	1.96	0.	100	503.87	61.

Order								
Layers STurns								
Position	1	2	3	4	5	6	7	8
Gap mm	0.3	0.3	0.3	0.	0.	0.	0.	0.
Voltag.V	0.736	7.215	0.	0.	0.	11.04	0.	14.73
Curren.A	7.092	70.92	0.	0.	0.	106.3	0.	141.8

Order :
Customer :
Remarks :

Date :12-19-2023
Time :10:45:30