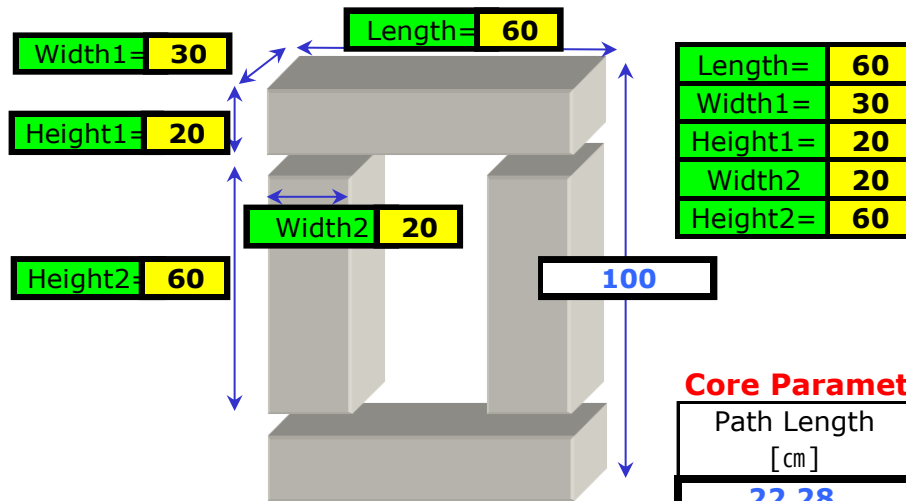


Material
BS(Sendust)

Block Design



AL Value & Weight

Perm.	26μ	40μ	60μ
AL Value	107 mH	135 mH	203 mH
Weight	744.5 g	763.2 g	810.7 g

Assembled Core Dimension

Dimension (mm)	Length	Width	Height
	60	30	100

Core Parameter

Path Length [cm]	Cross Section Area [cm²]	Volume [cm³]	Window Area [cm²]	Surface Area [cm²]
22.28	6	144	12	240

Design Parameter

Turns	110	Winding Factor(%)	46	DCR(mΩ) @ 20℃	48.62
Wire Area(mm²)	5.00	Rated Current (A)	20.0	Temp of Copper(℃)	20
Wire Eff Area(mm²)	5.00	Peak Current (A)	23.0	DCR(mΩ) @ T(℃)	48.62
Wire length/T(cm)	10.0	Frequency(kHz)	20	Copper loss(Watt)	19.4
Current Density	4.00 A/mm²	Current Ripple Rate(%)	30%	Required L(uH)	1,000.0
Wire Dia(mm)	2.52	Ripple Current(ΔI)	6.0	Graph	0A ~ 25.30
Flat Wire	Width= 5.5 mm	thickness= 0.9 mm		Copper Weight(g)	591.4 g

DC Bias Characteristics

A	H(Oe)	26μ	40μ	60μ
0	0	1294.7	1637.1	2456.3
5	31.0	1,206.4	1,511.0	2,150.7
10	62.0	1,108.0	1,326.1	1,712.4
15	93.1	994.8	1,134.3	1,316.5
20	124.1	882.7	962.2	1,013.8
23	142.7	819.4	871.8	873.0

Core Loss & Total Loss

Perm.		26μ	40μ	60μ
ΔI		6.8	6.2	5.9
L@Irated		882.7	962	1014
Flux Density	DC(ΔB/2)	454.5	454.5	454.5
	AC(ΔB)	909.1	909.1	909.1
Core Loss (mW/cc)	DC	16.8	16.8	16.8
	AC	87.4	87.4	87.4
Core Loss	DC	2.4	2.4	2.4
	AC	12.6	12.6	12.6
Total Loss	DC	21.9	21.9	21.9
	AC	32.0	32.0	32.0
Delta T	DC	42.9	42.9	42.9
	AC	58.9	58.9	58.9

DC Bias Characteristics

