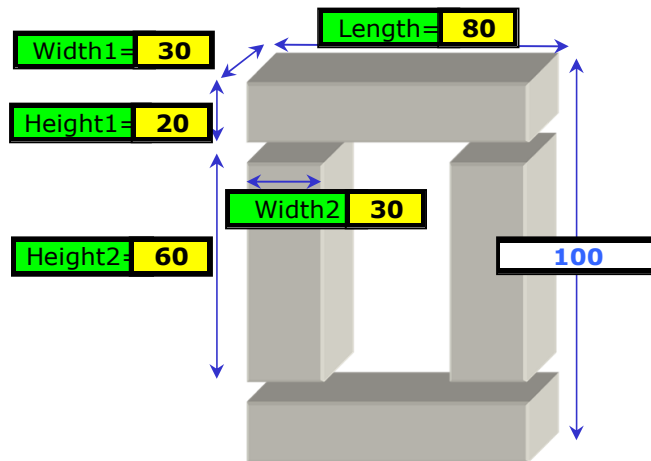


Material
BK(MegaFlux)

Block Design



Length=	80
Width1=	30
Height1=	20
Width2=	30
Height2=	60

AL Value & Weight

Perm.	26μ	40μ	60μ
AL Value	125 mH	158 mH	237 mH
Weight	1,283.2 g	1,364.8 g	1,387.2 g

Assembled Core Dimension

Dimension (mm)	Length	Width	Height
	80	30	100

Core Parameter

Path Length [cm]	Cross Section Area [cm²]	Volume [cm³]	Window Area [cm²]	Surface Area [cm²]
23.85	7.5	204	12	292

Design Parameter

Turns	112	Winding Factor(%)	47	DCR(mΩ) @ 20℃	59.40
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(℃)	59.40
Wire length/T(cm)	12.0	Frequency(kHz)	20	Copper loss(Watt)	23.8
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= 5.6 mm	thickness= 0.9 mm		Copper Weight(g)	722.5 g

DC Bias Characteristics

A	H(Oe)	26μ	40μ	60μ
0	0	1568.0	1982.0	2972.9
5	29.5	1,536.8	1,969.3	2,960.8
10	59.0	1,521.0	1,927.5	2,699.1
15	88.5	1,493.7	1,856.4	2,383.1
20	118.0	1,455.5	1,760.5	2,067.1
23	135.7	1,427.9	1,693.9	1,890.0

Core Loss & Total Loss

Perm.		26μ	40μ	60μ
ΔI		4.1	3.4	2.9
L@Irated		1455.5	1761	2067
Flux Density	DC(ΔB/2)	357.1	357.1	357.1
	AC(ΔB)	714.3	714.3	714.3
Core Loss (mW/cc)	DC	19.2	17.9	16.8
	AC	93.8	86.5	78.9
Core Loss	DC	3.9	3.7	3.4
	AC	19.1	17.6	16.1
Total Loss	DC	27.7	27.4	27.2
	AC	42.9	41.4	39.9
Delta T	DC	44.3	44.0	43.7
	AC	63.9	62.0	60.0

DC Bias Characteristics

