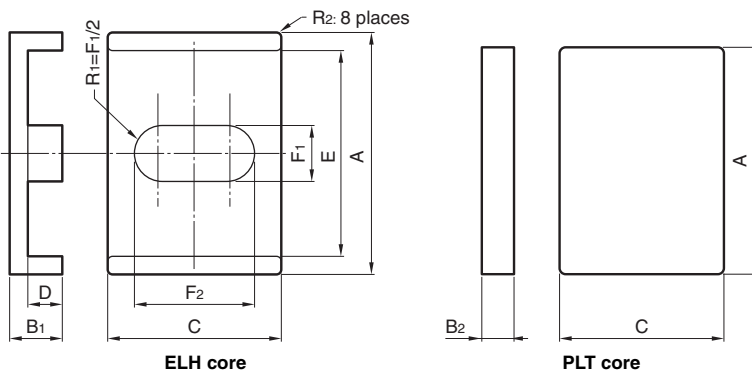


Mn-Zn **ELT Cores**

■ SHAPES AND DIMENSIONS



PC95	ELT11X3	-	Z
Material	Size of E core		AL-value (Z: without air gap)

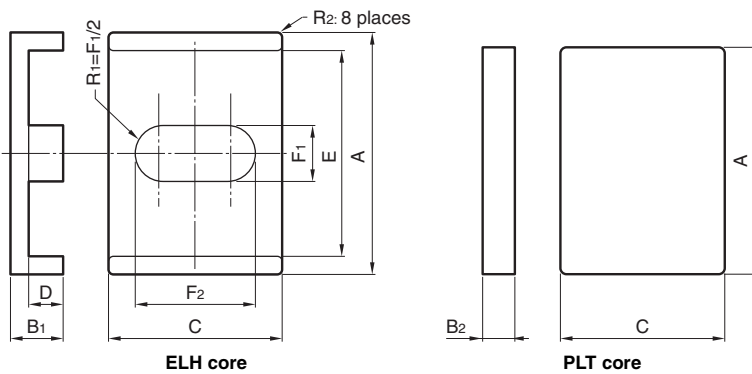
Part No.(ELH+PLT)	Dimensions (mm)								
	A	B ₁	B ₂	C	D	E	F ₁	F ₂	R ₂
PC95ELT11X3-Z	11.00±0.20	2.01±0.10	1.01±0.05	8.80±0.20	1.00±0.10	9.17±0.20	2.78±0.10	6.40±0.15	0.30
PC90ELT11X3-Z									
PC95ELT11X4-Z	11.00±0.20	3.01±0.10	1.01±0.05	8.80±0.20	2.00±0.10	9.17±0.20	2.78±0.10	6.40±0.15	0.30
PC90ELT11X4-Z									
PC95ELT13X3.4-Z	13.00±0.25	2.19±0.10	1.19±0.05	10.40±0.20	1.00±0.10	10.83±0.20	3.29±0.10	7.56±0.15	0.30
PC90ELT13X3.4-Z									
PC95ELT13X4.4-Z	13.00±0.25	3.19±0.10	1.19±0.05	10.40±0.20	2.00±0.10	10.83±0.20	3.29±0.10	7.56±0.15	0.30
PC90ELT13X4.4-Z									
PC95ELT15.5X4.3-Z	15.50±0.30	2.92±0.10	1.42±0.10	12.40±0.25	1.50±0.10	12.92±0.25	3.92±0.10	9.01±0.20	0.30
PC90ELT15.5X4.3-Z									
PC95ELT15.5X5.8-Z	15.50±0.30	4.42±0.10	1.42±0.10	12.40±0.25	3.00±0.10	12.92±0.25	3.92±0.10	9.01±0.20	0.30
PC90ELT15.5X5.8-Z									
PC95ELT18X5.3-Z	18.00±0.30	3.65±0.10	1.65±0.10	14.40±0.25	2.00±0.10	15.00±0.30	4.55±0.10	10.47±0.20	0.30
PC90ELT18X5.3-Z									

Part No.(ELH+ELH)	Effective parameter							Electrical characteristics	
	Core factor C ₁ (mm ⁻¹)	Effective magnetic path length ℓ _e (mm)	Effective cross-sectional area A _e (mm ²)	Effective core volume V _e (mm ³)	A _{min} . (mm ²)	A _{cw} (mm ²)	Weigh (g)	AL-value (nH/N ²) 1kHz 0.5mA 100Ts	
								Without air gap	With air gap
PC95ELT11X3-Z	0.702	11.7	16.6	194	15.9	3.20	1.1	2590±25%	50±3%
PC90ELT11X3-Z								1750±25%	80±5%
PC95ELT11X4-Z	0.826	13.7	16.5	226	15.9	6.39	1.3	2400±25%	50±3%
PC90ELT11X4-Z								1700±25%	80±5%
PC95ELT13X3.4-Z	0.578	13.4	23.2	312	22.4	3.77	1.8	3390±25%	63±3%
PC90ELT13X3.4-Z								2400±25%	100±5%
PC95ELT13X4.4-Z	0.667	15.4	23.1	357	22.4	7.54	2.0	3160±25%	63±3%
PC90ELT13X4.4-Z								2300±25%	100±5%
PC95ELT15.5X4.3-Z	0.503	16.6	33.1	550	31.9	6.75	3.0	4340±25%	63±3%
PC90ELT15.5X4.3-Z								2900±25%	100±3%
PC95ELT15.5X5.8-Z	0.597	19.6	32.9	646	31.9	13.5	3.5	3680±25%	63±3%
PC90ELT15.5X5.8-Z								2200±25%	100±3%
PC95ELT18X5.3-Z	0.446	19.8	44.5	882	43.0	10.5	5.0	5330±25%	80±3%
PC90ELT18X5.3-Z								3500±25%	125±3%

⚠ Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use.
Please note that the contents may change without any prior notice due to reasons such as upgrading.

Mn-Zn **ELT Cores**

■ SHAPES AND DIMENSIONS



PC95	ELT18X7.3	-	Z
Material	Size of E core		AL-value (Z: without air gap)

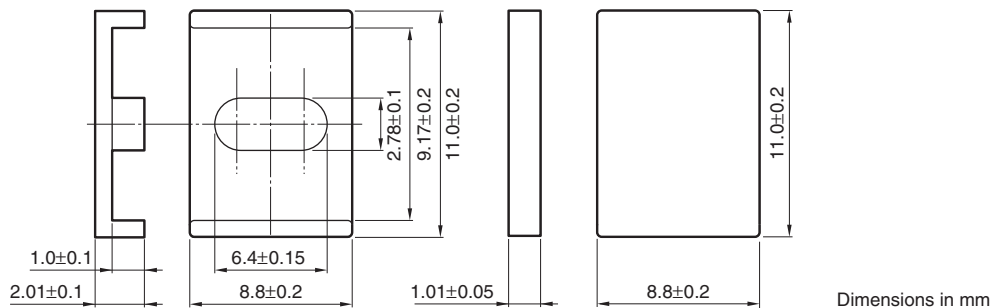
Part No.(ELH+PLT)	Dimensions (mm)								
	A	B ₁	B ₂	C	D	E	F ₁	F ₂	R ₂
PC95ELT18X7.3-Z	18.00±0.30	5.65±0.10	1.65±0.10	14.40±0.25	4.00±0.15	15.00±0.30	4.55±0.10	10.47±0.20	0.30
PC90ELT18X7.3-Z									
PC95ELT20X5.7-Z	20.00±0.35	3.83±0.10	1.83±0.10	16.00±0.30	2.00±0.10	16.67±0.30	5.06±0.15	11.63±0.20	0.50
PC90ELT20X5.7-Z									
PC95ELT20X7.7-Z	20.00±0.35	5.83±0.15	1.83±0.10	16.00±0.30	4.00±0.15	16.67±0.30	5.06±0.15	11.63±0.20	0.50
PC90ELT20X7.7-Z									
PC95ELT22X6-Z	22.00±0.40	4.02±0.10	2.02±0.10	17.60±0.30	2.00±0.10	18.33±0.35	5.56±0.15	12.79±0.25	0.50
PC90ELT22X6-Z									
PC95ELT22X8-Z	22.00±0.40	6.02±0.15	2.02±0.10	17.60±0.30	4.00±0.15	18.33±0.35	5.56±0.15	12.79±0.25	0.50
PC90ELT22X8-Z									
PC95ELT25X6.6-Z	25.00±0.45	4.29±0.10	2.29±0.10	20.00±0.35	2.00±0.10	20.83±0.35	6.32±0.15	14.54±0.25	0.50
PC90ELT25X6.6-Z									
PC95ELT25X8.6-Z	25.00±0.45	6.29±0.15	2.29±0.10	20.00±0.35	4.00±0.15	20.83±0.35	6.32±0.15	14.54±0.25	0.50
PC90ELT25X8.6-Z									

Part No.(ELH+ELH)	Effective parameter							Electrical characteristics	
	Core factor C ₁ (mm ⁻¹)	Effective magnetic path length ℓ _e (mm)	Effective cross-sectional area A _e (mm ²)	Effective core volume V _e (mm ³)	A _{min} . (mm ²)	A _{cw} (mm ²)	Weigh (g)	AL-value (nH/N ²) 1kHz 0.5mA 100Ts	
PC95ELT18X7.3-Z	0.538	23.8	44.3	1050	43.0	20.9	6.0	4760±25%	80±3%
PC90ELT18X7.3-Z								3100±25%	125±3%
PC95ELT20X5.7-Z	0.393	21.6	54.9	1180	52.9	11.6	6.7	6270±25%	80±3%
PC90ELT20X5.7-Z								4150±25%	125±3%
PC95ELT20X7.7-Z	0.469	25.6	54.6	1400	52.9	23.2	7.8	5630±25%	80±3%
PC90ELT20X7.7-Z								3900±25%	125±3%
PC95ELT22X6-Z	0.351	23.4	66.6	1560	64.2	12.8	9.0	7250±25%	100±3%
PC90ELT22X6-Z								4800±25%	160±3%
PC95ELT22X8-Z	0.413	27.3	66.2	1810	64.2	25.5	10	6540±25%	100±3%
PC90ELT22X8-Z								4250±25%	160±3%
PC95ELT25X6.6-Z	0.302	26.0	86.0	2230	83.0	14.5	13	8600±25%	100±3%
PC90ELT25X6.6-Z								6100±25%	160±3%
PC95ELT25X8.6-Z	0.350	30.0	85.6	2570	83.0	29.0	15	7540±25%	100±3%
PC90ELT25X8.6-Z								5400±25%	160±3%

⚠ Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use.
Please note that the contents may change without any prior notice due to reasons such as upgrading.

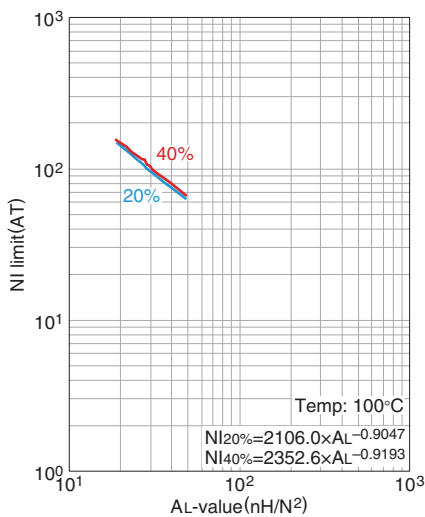
Mn-Zn Planar series Part No.: PC90ELT11X3-Z

■ SHAPES AND DIMENSIONS



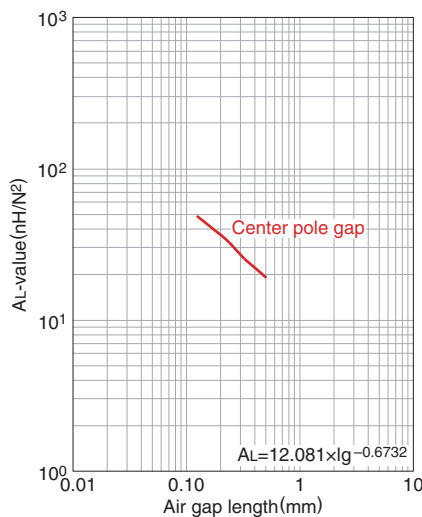
Effective parameter						Electrical characteristics	
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weight	AL-value *	Core loss
C_1 (mm ⁻¹)	ℓ_e (mm)	A_e (mm ²)	V_e (mm ³)	A_{cw} (mm ²)	(g/set)	(nH/N ²) 1kHz 0.5mA	(W)max. 100kHz 200mT 100°C
0.702	11.7	16.6	194	3.20	1.1	1750±25%	0.15

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)

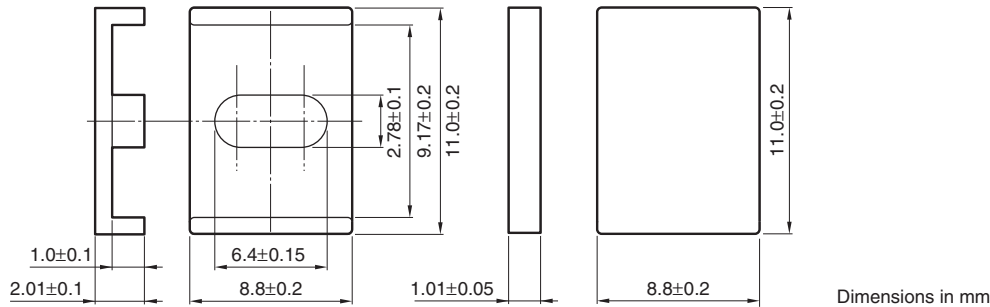


- Measuring conditions
- Coil : $\phi 0.18$ 2UEW 100Ts
 - Frequency : 1kHz
 - Current level : 0.5mA
 - Ambient temperature : 25°C

⚠ Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

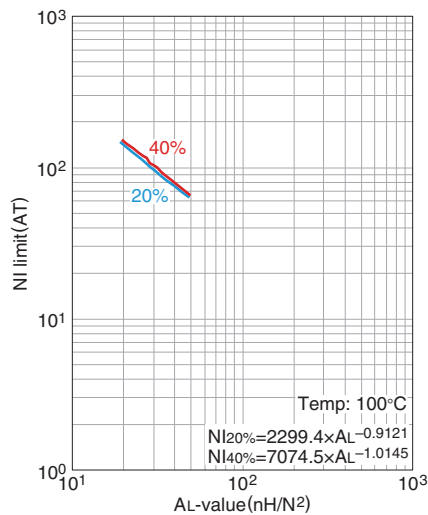
Mn-Zn Planar series Part No.: PC95ELT11X3-Z

SHAPES AND DIMENSIONS



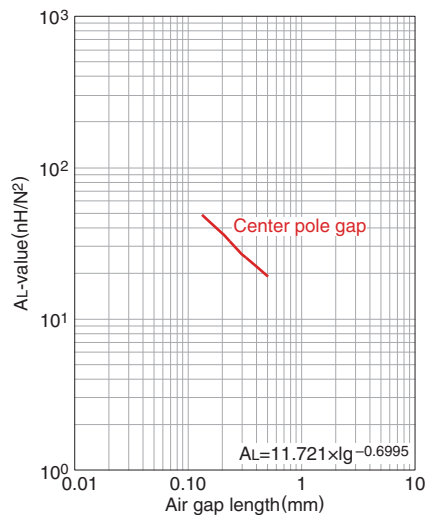
Effective parameter						Electrical characteristics			
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weight	AL-value *	Core loss		
C_1 (mm ⁻¹)	ℓ_e (mm)	A_e (mm ²)	V_e (mm ³)	A_{cw} (mm ²)	(g/set)	(nH/N ²) 1kHz 0.5mA	(W)max. 100kHz 200mT 25°C	80°C	120°C
0.702	11.7	16.6	194	3.20	1.1	2590±25%	0.14	0.12	0.14

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)

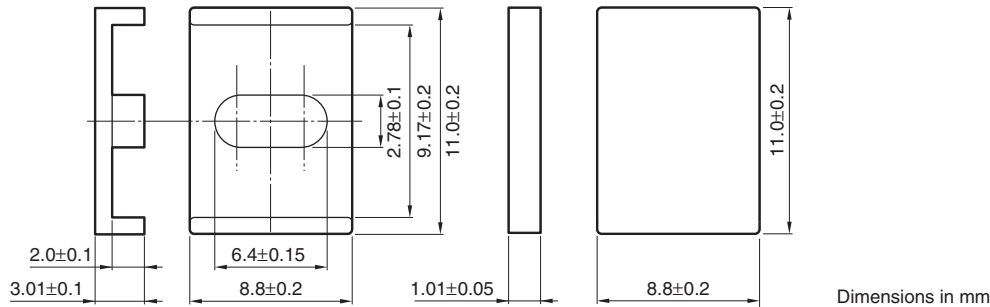


Measuring conditions

- Coil : $\phi 0.18$ 2UEW 100Ts
- Frequency : 1kHz
- Current level : 0.5mA
- Ambient temperature : 25°C

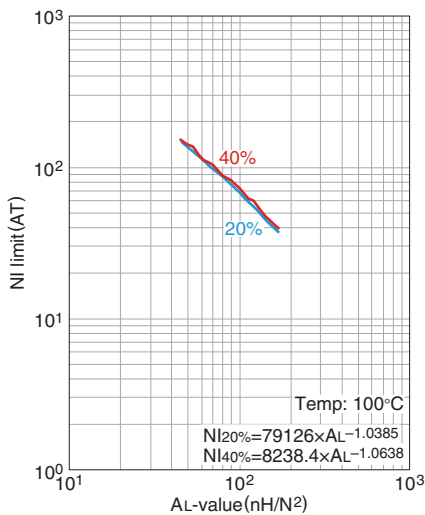
Mn-Zn Planar series Part No.: PC90ELT11X4-Z

SHAPES AND DIMENSIONS



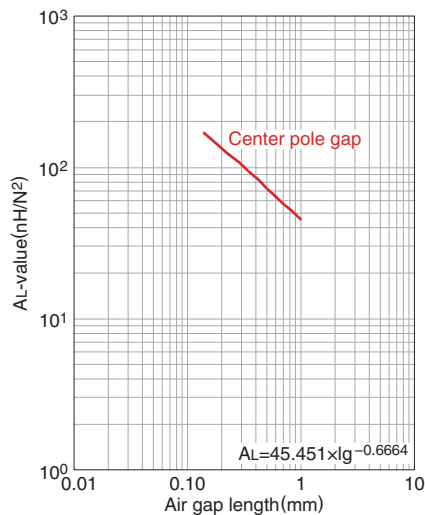
Effective parameter						Electrical characteristics	
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weigh	AL-value *	Core loss
C_1 (mm^{-1})	ℓ_e (mm)	A_e (mm^2)	V_e (mm^3)	A_{cw} (mm^2)	(g/set)	(nH/N^2) 1kHz 0.5mA	(W)max. 100kHz 200mT 100°C
0.826	13.7	16.5	226	6.39	1.3	1700±25%	0.18

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)

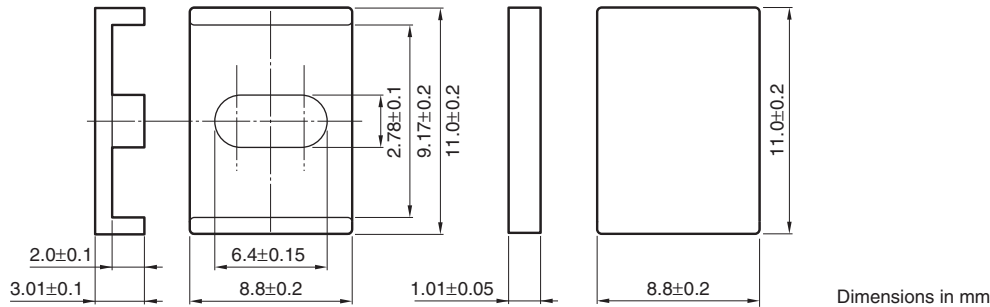


Measuring conditions

- Coil : $\phi 0.18$ 2UEW 100Ts
- Frequency : 1kHz
- Current level : 0.5mA
- Ambient temperature : 25°C

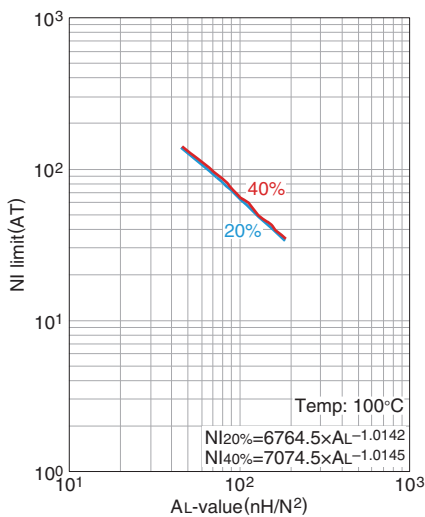
Mn-Zn Planar series Part No.: PC95ELT11X4-Z

SHAPES AND DIMENSIONS



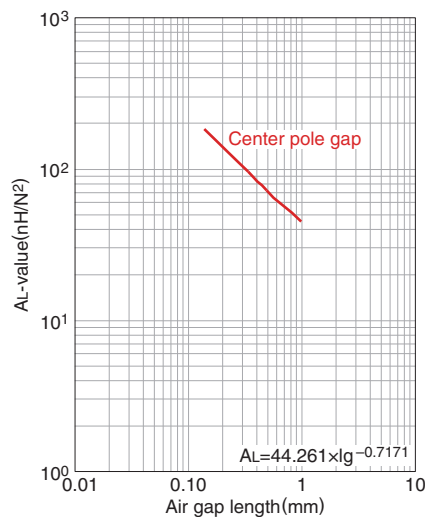
Effective parameter						Electrical characteristics			
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weight	AL-value *	Core loss		
C_1 (mm^{-1})	ℓ_e (mm)	A_e (mm^2)	V_e (mm^3)	A_{cw} (mm^2)	(g/set)	(nH/N^2) 1kHz 0.5mA	(W)max. 100kHz 200mT 25°C	80°C	120°C
0.826	13.7	16.5	226	6.39	1.3	2400±25%	0.16	0.15	0.16

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)

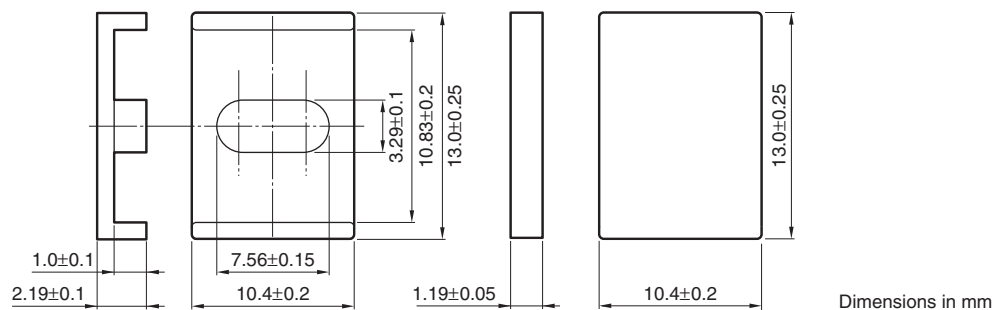


Measuring conditions

- Coil : $\phi 0.18$ 2UEW 100Ts
- Frequency : 1kHz
- Current level : 0.5mA
- Ambient temperature : 25°C

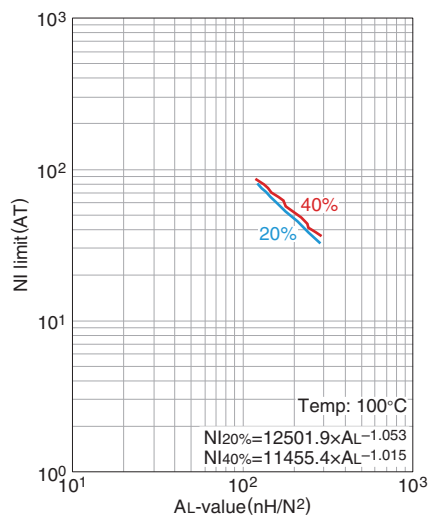
Mn-Zn Planar series Part No.: PC90ELT13X3.4-Z

SHAPES AND DIMENSIONS



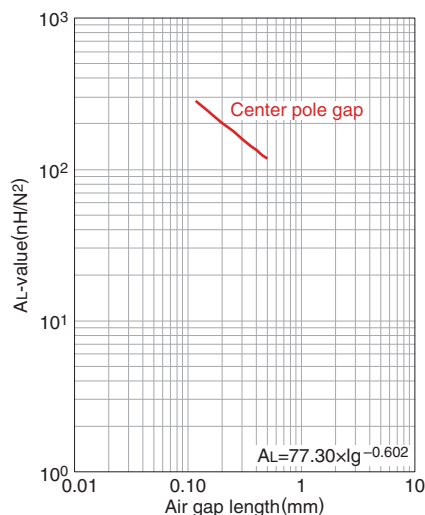
Effective parameter						Electrical characteristics	
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weight	AL-value *	Core loss
C_1 (mm ⁻¹)	ℓ_e (mm)	A_e (mm ²)	V_e (mm ³)	A_{cw} (mm ²)	(g/set)	(nH/N ²) 1kHz 0.5mA	(W)max. 100kHz 200mT 100°C
0.578	13.4	23.2	312	3.77	1.8	2400±25%	0.3

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)

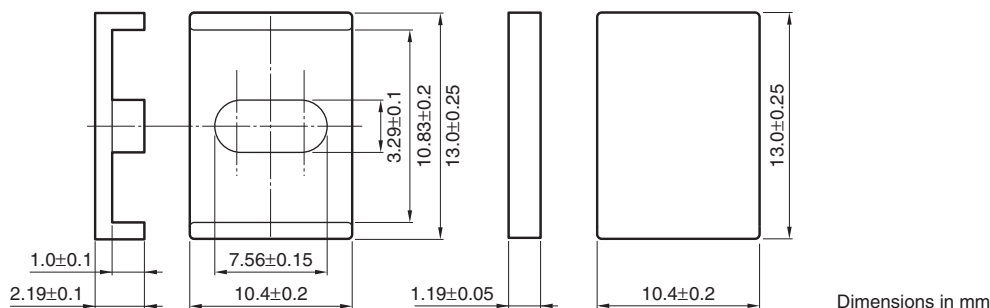


Measuring conditions

- Coil : $\phi 0.18$ 2UEW 100Ts
- Frequency : 1kHz
- Current level : 0.5mA
- Ambient temperature : 25°C

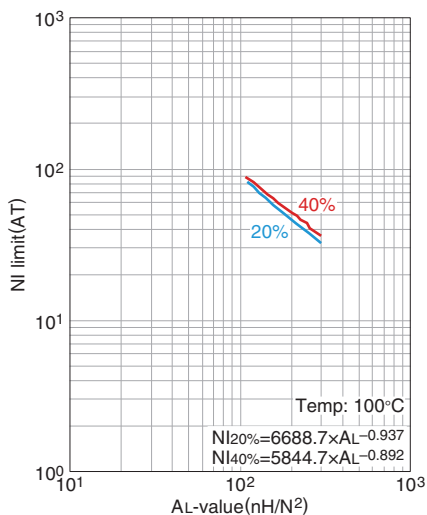
Mn-Zn Planar series Part No.: PC95ELT13X3.4-Z

SHAPES AND DIMENSIONS



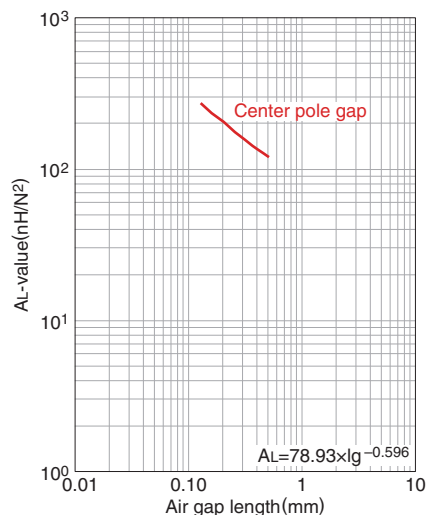
Effective parameter						Electrical characteristics				
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weight	AL-value *	Core loss			
C_1 (mm ⁻¹)	ℓ_e (mm)	A_e (mm ²)	V_e (mm ³)	A_{cw} (mm ²)	(g/set)	(nH/N ²) 1kHz 0.5mA	(W)max. 100kHz 200mT	25°C	80°C	120°C
0.578	13.4	23.2	312	3.77	1.8	3390±25%	0.3	0.28	0.3	

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)

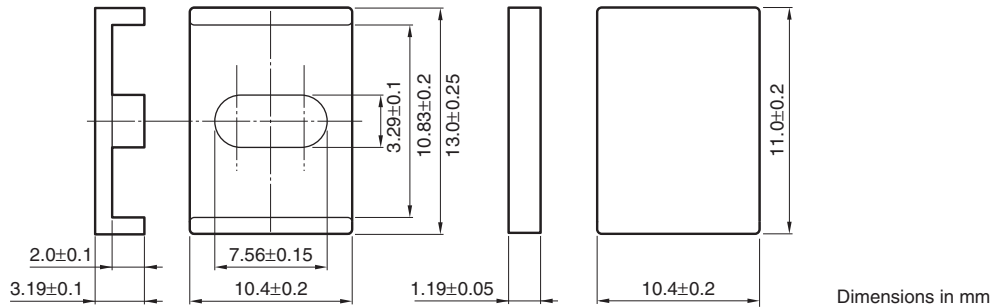


Measuring conditions
 • Coil : $\phi 0.18$ 2UEW 100Ts
 • Frequency : 1kHz
 • Current level : 0.5mA
 • Ambient temperature : 25°C

⚠ Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

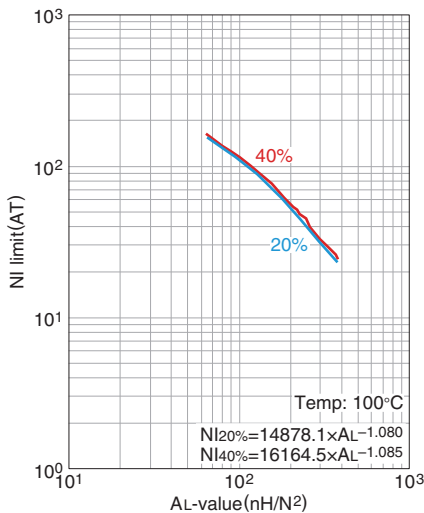
Mn-Zn Planar series Part No.: PC90ELT13X4.4-Z

SHAPES AND DIMENSIONS



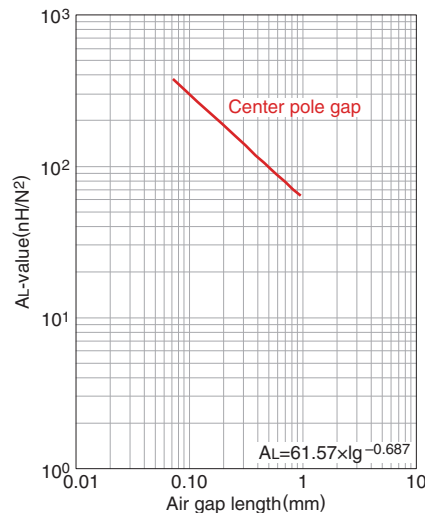
Effective parameter						Electrical characteristics	
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weight	AL-value *	Core loss
C_1 (mm^{-1})	ℓ_e (mm)	A_e (mm^2)	V_e (mm^3)	A_{cw} (mm^2)	(g/set)	(nH/N^2) 1kHz 0.5mA	(W)max. 100kHz 200mT 100°C
0.667	15.4	23.1	357	7.54	2.0	2300±25%	0.3

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)

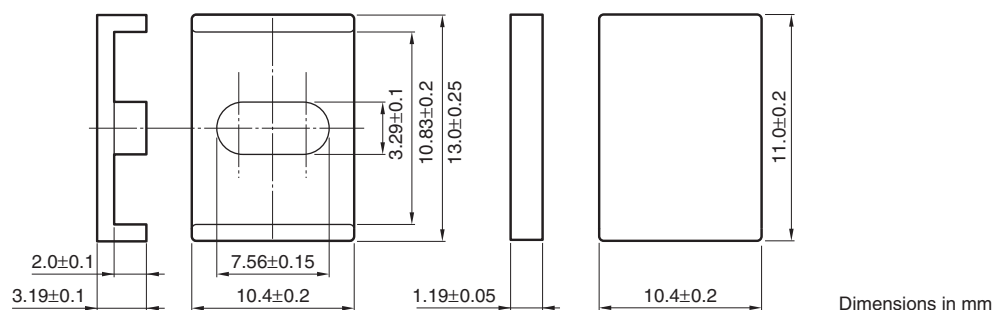


Measuring conditions

- Coil : $\phi 0.18$ 2UEW 100Ts
- Frequency : 1kHz
- Current level : 0.5mA
- Ambient temperature : 25°C

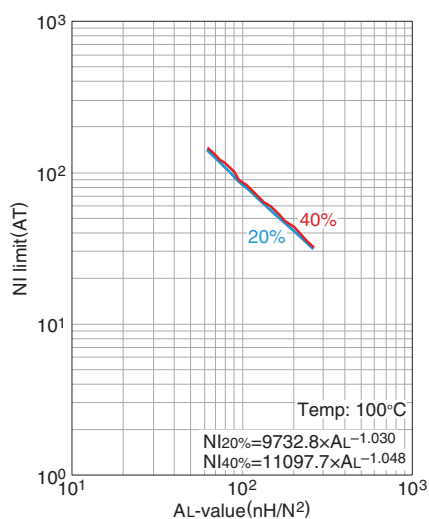
Mn-Zn Planar series Part No.: PC95ELT13X4.4-Z

SHAPES AND DIMENSIONS



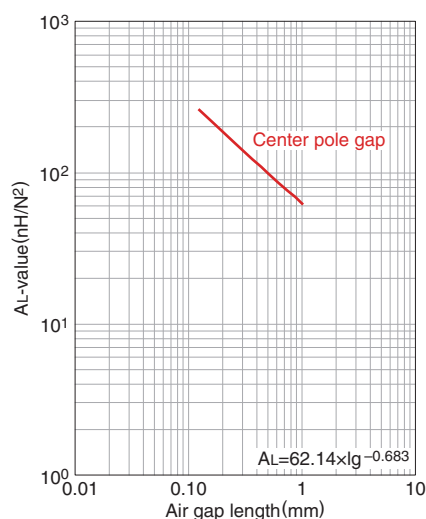
Effective parameter						Electrical characteristics			
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weight	AL-value *	Core loss		
C_1 (mm ⁻¹)	ℓ_e (mm)	A_e (mm ²)	V_e (mm ³)	A_{cw} (mm ²)	(g/set)	(nH/N ²) 1kHz 0.5mA	(W)max. 100kHz 200mT 25°C	80°C	120°C
0.667	15.4	23.1	357	7.54	2.0	3160±25%	0.3	0.28	0.3

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)

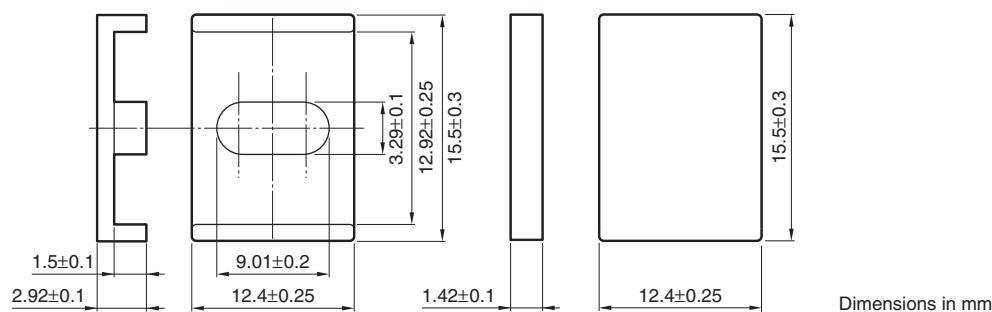


Measuring conditions

- Coil : $\phi 0.18$ 2UEW 100Ts
- Frequency : 1kHz
- Current level : 0.5mA
- Ambient temperature : 25°C

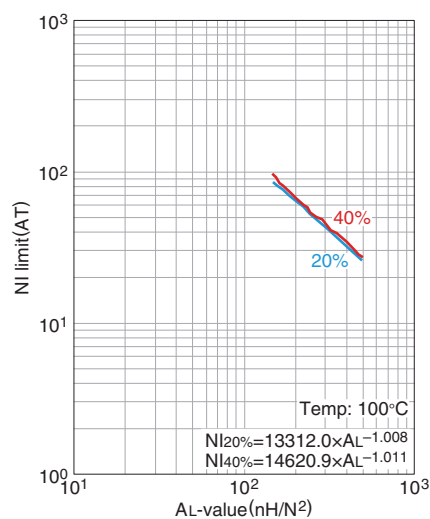
Mn-Zn Planar series Part No.: PC90ELT15.5X4.3-Z

SHAPES AND DIMENSIONS



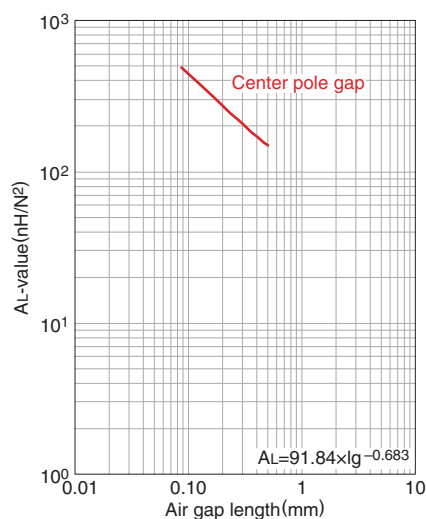
Effective parameter						Electrical characteristics	
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weight	AL-value *	Core loss
C_1 (mm ⁻¹)	ℓ_e (mm)	A_e (mm ²)	V_e (mm ³)	A_{cw} (mm ²)	(g/set)	(nH/N ²) 1kHz 0.5mA	(W)max. 100kHz 200mT 100°C
0.503	16.6	33.1	550	6.75	3.0	2900±25%	0.5

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)

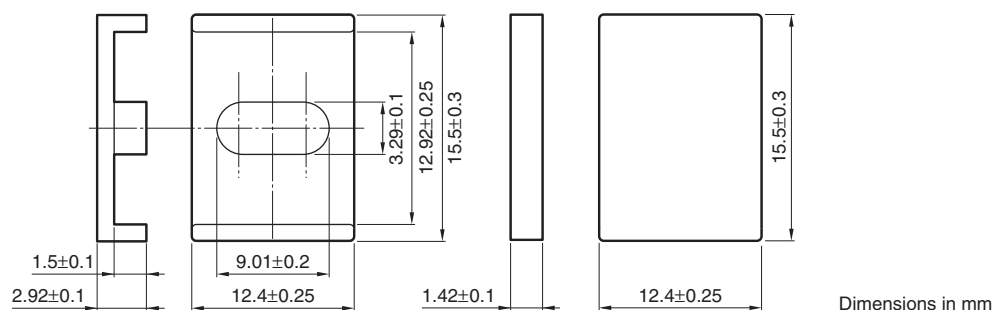


Measuring conditions

- Coil : $\phi 0.18$ 2UEW 100Ts
- Frequency : 1kHz
- Current level : 0.5mA
- Ambient temperature : 25°C

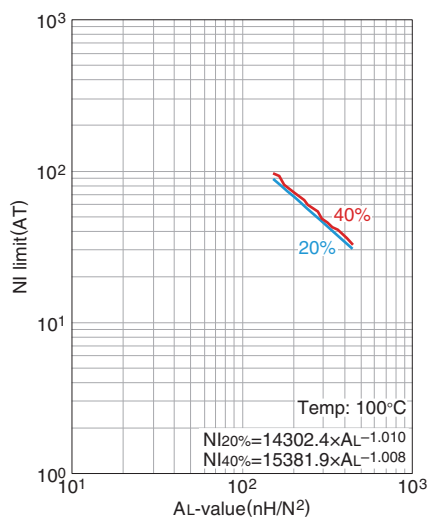
Mn-Zn Planar series Part No.: PC95ELT15.5X4.3-Z

SHAPES AND DIMENSIONS



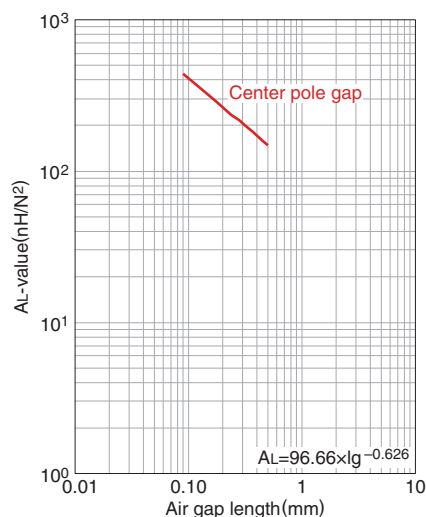
Effective parameter						Electrical characteristics			
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weigh	AL-value *	Core loss		
C_1 (mm ⁻¹)	ℓ_e (mm)	A_e (mm ²)	V_e (mm ³)	A_{cw} (mm ²)	(g/set)	(nH/N ²) 1kHz 0.5mA	(W)max. 100kHz 200mT 25°C	80°C	120°C
0.503	16.6	33.1	550	6.75	3.0	4340±25%	0.5	0.45	0.5

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)

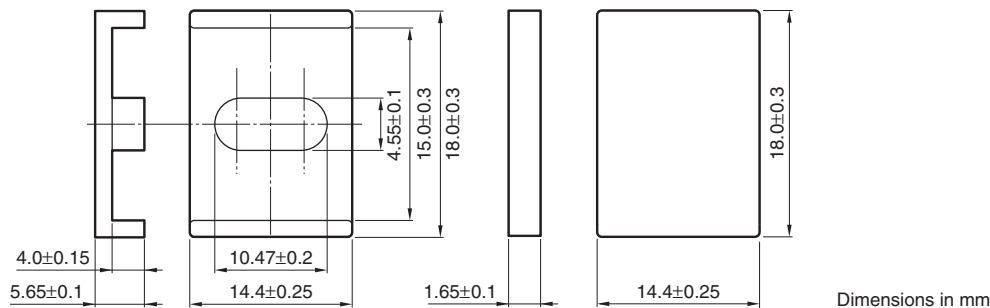


Measuring conditions

- Coil : $\phi 0.18$ 2UEW 100Ts
- Frequency : 1kHz
- Current level : 0.5mA
- Ambient temperature : 25°C

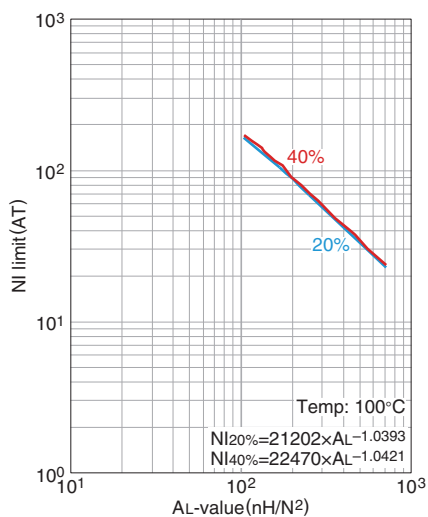
Mn-Zn Planar series Part No.: PC90ELT18X7.3-Z

■ SHAPES AND DIMENSIONS



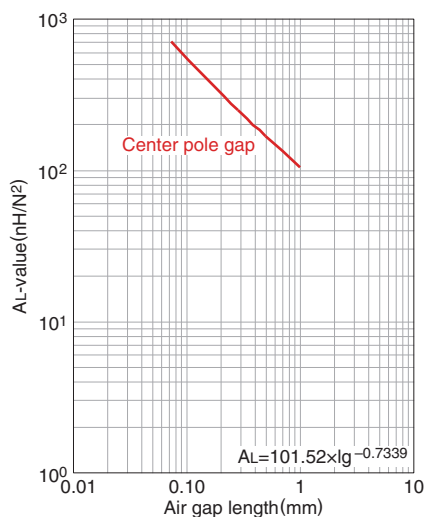
Effective parameter						Electrical characteristics	
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weigh	AL-value *	Core loss
C ₁ (mm ⁻¹)	ℓ _e (mm)	A _e (mm ²)	V _e (mm ³)	A _{cw} (mm ²)	(g/set)	(nH/N ²) 1kHz 0.5mA	(W)max. 100kHz 200mT 100°C
0.538	23.8	44.3	1050	20.9	6.0	3100±25%	0.7

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)

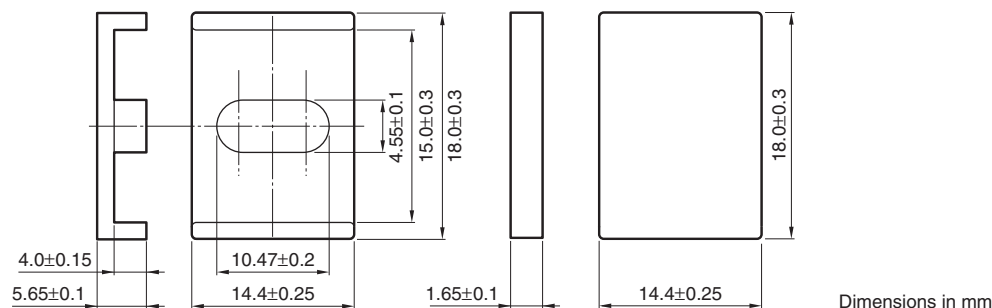


Measuring conditions
 • Coil : ø0.18 2UEW 100Ts
 • Frequency : 1kHz
 • Current level : 0.5mA
 • Ambient temperature : 25°C

⚠ Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

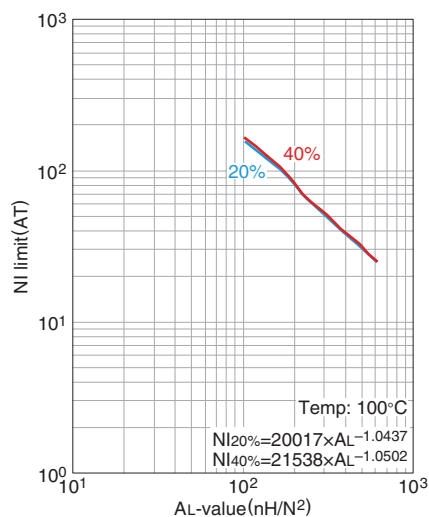
Mn-Zn Planar series Part No.: PC95ELT18X7.3-Z

SHAPES AND DIMENSIONS



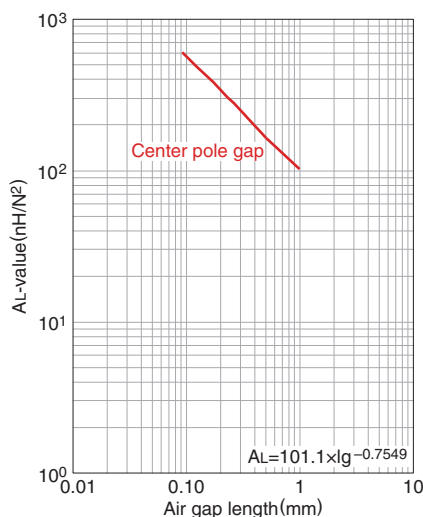
Effective parameter						Electrical characteristics			
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weigh	AL-value *	Core loss		
C_1 (mm^{-1})	ℓ_e (mm)	A_e (mm^2)	V_e (mm^3)	A_{cw} (mm^2)	(g/set)	(nH/N^2) 1kHz 0.5mA	(W)max. 100kHz 200mT 25°C	80°C	120°C
0.538	23.8	44.3	1050	20.9	6.0	4760±25%	0.6	0.55	0.6

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)

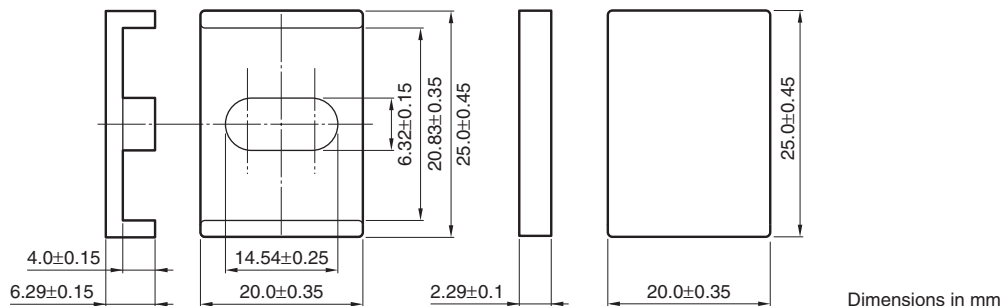


Measuring conditions

- Coil : $\phi 0.18$ 2UEW 100Ts
- Frequency : 1kHz
- Current level : 0.5mA
- Ambient temperature : 25°C

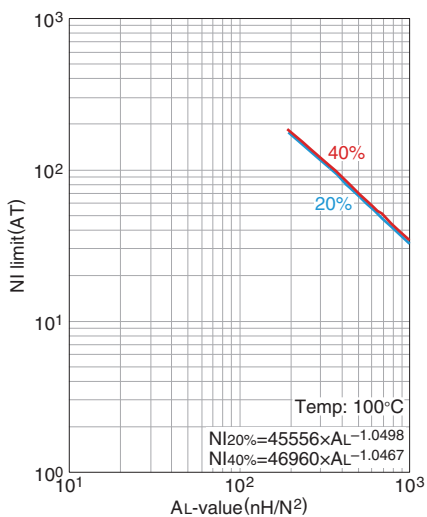
Mn-Zn Planar series Part No.: PC90ELT25X8.6-Z

■ SHAPES AND DIMENSIONS



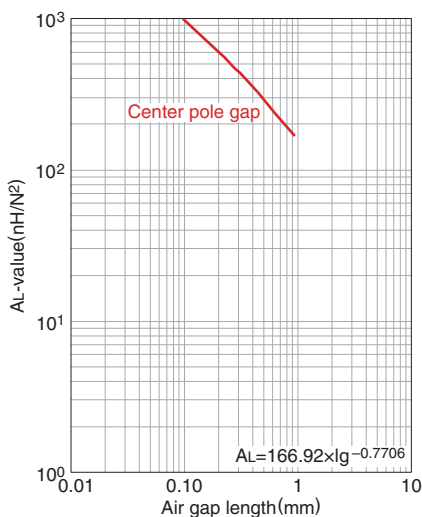
Effective parameter						Electrical characteristics	
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weigh	AL-value *	Core loss
C ₁ (mm ⁻¹)	ℓ _e (mm)	A _e (mm ²)	V _e (mm ³)	Acw (mm ²)	(g/set)	(nH/N ²) 1kHz 0.5mA	(W)max. 100kHz 200mT 100°C
0.350	30.0	85.6	2570	29.0	15	5400±25%	1.8

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)

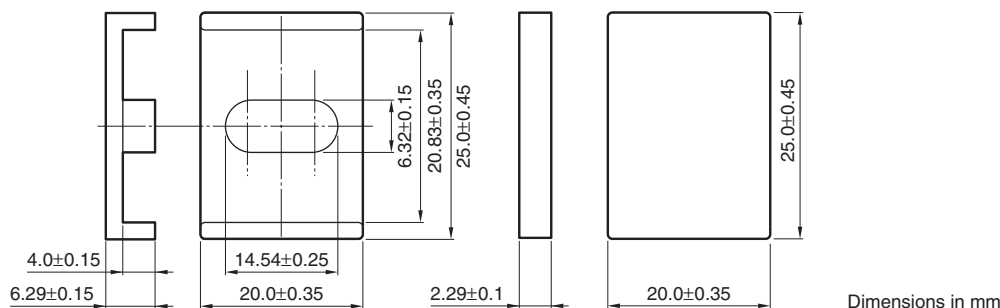


Measuring conditions
 • Coil : ø0.18 2UEW 100Ts
 • Frequency : 1kHz
 • Current level : 0.5mA
 • Ambient temperature : 25°C

Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

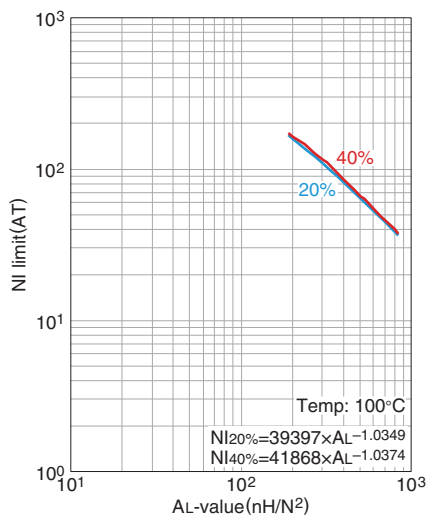
Mn-Zn Planar series Part No.: PC95ELT25X8.6-Z

SHAPES AND DIMENSIONS



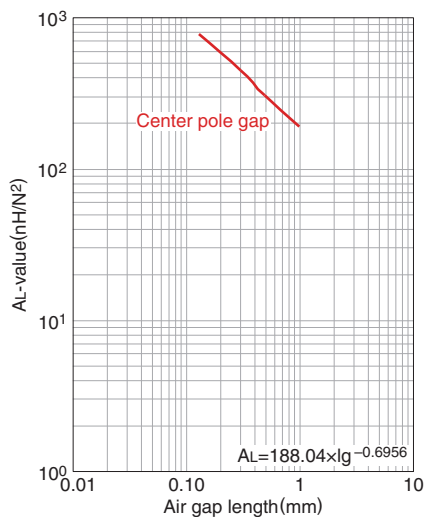
Effective parameter						Electrical characteristics			
Core factor	Effective magnetic path length	Effective cross-sectional area	Effective core volume	Cross-sectional winding area of core	Weight	AL-value *	Core loss		
C_1 (mm^{-1})	ℓ_e (mm)	A_e (mm^2)	V_e (mm^3)	A_{cw} (mm^2)	(g/set)	(nH/N^2) 1kHz 0.5mA	(W)max. 100kHz 200mT 25°C	80°C	120°C
0.350	30.0	85.6	2570	29.0	15	7540±25%	1.6	1.5	1.6

NI limit vs. AL-value (Typ.)



The 20% and 40% graph shows when a 20% and 40% drop from the initial AL-value has been made due to the DC superimposition.

AL-value vs. Air gap length (Typ.)



Measuring conditions
 • Coil : $\phi 0.18$ 2UEW 100Ts
 • Frequency : 1kHz
 • Current level : 0.5mA
 • Ambient temperature : 25°C

⚠ Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.