Permalloy Cores - Steel Lamination Core

● Permalloy Cores - Steel Lamination Core Description

" Permalloy" is variously called as Mo-permalloy, Mumetal, Ultraperm and Super-malloy, but we just call it " Permalloy" hereinafter.

Permalloy is generally characterized by high-magnetic permeability, low coerive and hysteresis. It's also used as a component for both saturating and non-saturating

High-tech satisfies your needs for not only E.I lamination cores, magnetic-shielding cases but also strip-wound cores.

All of which are processed to optimize the excellent magnetic characteristics of permalloy.

● Permalloy Cores - Steel Lamination Core Material Analysis

Grade	Type Analysis			Physical Contents		
PB	Nickel	--------	45-48%	Density	--------	8.25
	Manganese	--------	0.05%	Curie-temperature	--------	500 °C
	Silicon	--------	0.35%	Electrical resistivity	--------	48μ Ω/ cm
	Iron	--------	Balance			
PC	Mickel	--------	76-80%	Density	--------	8.77
	Molybdenum	--------	4.5-5.0%	Curie-temperature	--------	500 °C
	Manganese	--------	0.85%	Electrical resistivity	--------	58μ Ω/ cm
	Iron	--------	Balance			

● Permalloy Cores - Steel Lamination Core Magnetic Properties

Minumum AC Permeability at 60 cycles

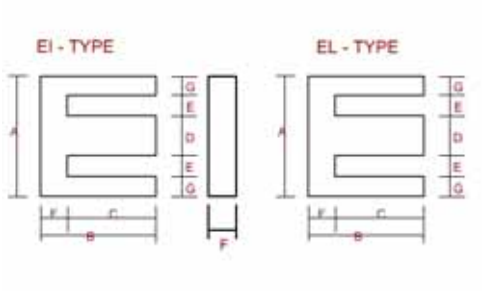
Grade	Thickeness	B_{40G}	B_{200G}	B_{2000G}
PB	0.35mm	10,000	14,500	32,000
PC	0.2mm	45,000	55,000	90,000
	0.35mm	40,000	47,000	80,000

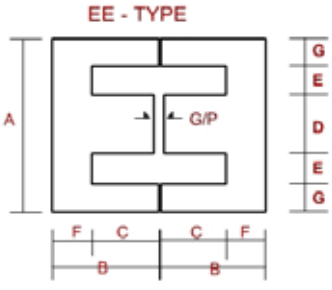
Inductance Relative Permeability

Grade	Thickeness	0.3 kHz	1 kHz	3 kHz
PB	0.35mm	4,000	2,300	900
PC	0.2mm	27,000	11,000	5,000
	0.35mm	12,500	5,500	2,400

● EI Core

● Permalloy Cores - Steel Lamination Core Dimensions





● Permalloy Cores - Steel Lamination Core Dimensions

TYPE	A	B	C	D	E	F	G	T	GRADE
EDA-8	8.0	10.0	8.8	2.4	1.6	1.2	1.2	0.2 / 0.15	PC
ED-8	8.0	11.0	8.3	2.4	1.6	2.7	1.2	0.2 / 0.15	PC
EDL-8	8.25	13.6	10.9	2.37	1.61	2.7	1.33	0.2 / 0.15	PC
EL-12.6	12.6	17.0	13.0	3.7	2.6	4	1.85	0.2 / 0.15	PC
ES-12.7	12.7	11.0	9.5	3.175	3.175	1.5	1.58	0.2 / 0.15	PC
EL-12.7	12.7	12.5	11.0	3.175	3.175	1.5	1.58	0.2 / 0.15	PC
EI-14	14.0	8.75	7.0	3.5	3.5	1.75	1.75	0.2 / 0.35	PB / PC
EL-14	14.0	10.5	8.75	3.5	3.5	1.75	1.75	0.2 / 0.35	PB / PC
EL-16	16.0	16.0	13.6	4.7	3.33	2.4	2.32	0.2 / 0.35	PB / PC
EEX-16	16.0	11.0	8.6	4.7	3.33	2.4	2.32	0.2 / 0.35	PB / PC
EEM-16	16.0	7.0	4.6	4.7	3.33	2.4	2.32	0.2 / 0.35	PB / PC
EES-16	16.0	5.0	2.6	4.75	3.33	2.4	2.32	0.2 / 0.35	PB / PC
EL-16.8	16.8	13.5	10.5	4.95	3.025	3	2.90	0.2 / 0.35	PB / PC
EI-19	19.0	12.5	10.0	4.75	4.75	2.5	2.375	0.2 / 0.35	PB / PC
EL-19	19.0	15.0	12.5	4.76	4.76	2.5	2.375	0.2 / 0.35	PB / PC
EL-187	19.04	15.9	13.5	4.75	4.75	2.4	2.38	0.2 / 0.35	PB / PC
EL-186	19.0	11.0	8.63	4.75	4.75	2.5	2.375	0.2 / 0.35	PB / PC
EE-22	22.0	11.25	8.25	6.0	5.0	3.0	3.0	0.35	PB / PC
EL-25	25.4	19.05	15.88	6.35	6.35	3.175	3.175	0.2 / 0.35	PB / PC
EI-41	41.0	27.0	21.0	13.0	8.0	6.0	6.0	0.2 / 0.35	PB / PC

● Permalloy Cores - Steel Lamination Core New Dimensions

TYPE	A	B	C	D	E	F	G	T	GRADE
EDX-8	8	13.5	10.85	2.5	1.5	2.65	1.25	0.2 / 0.15	PC
EDB-8	8	14.5	11.8	2.4	1.6	2.7	1.2	0.2 / 0.15	PC
EDC-8	8	16	13.3	2.4	1.6	2.7	1.2	0.2 / 0.15	PC

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