Ferrite Cores

ET Series

For Common-Mode Filter

Double Closed-Magnetic Circuit Cores

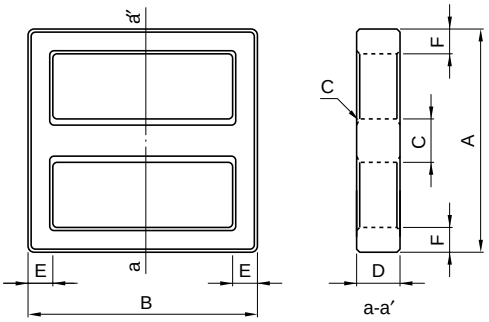
MATERIAL CHARACTERISTICS

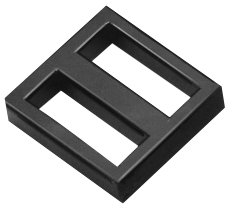
Material			HS52	HS72	HS10
Initial permeability	μi		5500±25%	7500±25% [2000min., 500kHz]	10000±25%
Relative loss factor	tanδ/μi	$\times10^{-6}$	10[100kHz]	30[100kHz]	30[100kHz]
Saturation magnetic flux density*	Bs	mT[H=1194A/m]	410	410	380
Remanent flux density*	Br	mT	70	80	120
Coercive force*	Hc	A/m	6	6	5
Curie temperature*	Tc	°C min.	130	130	120
Electrical resistivity*	ρv	Ω-m	1	0.2	0.2
Density*	d_b	kg/m^3	4.9×10^3	4.9×10^3	4.9×10^3

*Average value

• 1(mT)=10(G), 1(A/m)=0.012566(Oe)

SHAPES AND DIMENSIONS/CHARACTERISTICS





Part No.	AL-value* (nH/N^2)	Dimensions (mm) A	B	C	D	E	F	Ae (mm^2)	le (mm)
HS72ET20	3100+40, –25%	20.1±0.4	20.1±0.4	4±0.2	4.4±0.2	2±0.15	2±0.15	17.6	50.6
HS10ET20	4300±30%								
HS72ET24	2600+40, –25%	24.2±0.5	24.2±0.5	4±0.2	4±0.3	2.4±0.15	2.4±0.15	17.8	61
HS10ET24	3600±30%								
HS72ET28	3550+40, –25%	28.45±0.55	28.45±0.55	5±0.2	5±0.3	2.9±0.15	2.9±0.15	27.4	71.4
HS10ET28	4800±30%								
HS72ET35	6000+40, –25%	35.3±0.6	35.3±0.6	7.5±0.3	7.5±0.3	4±0.2	4±0.2	58.6	86.7
HS10ET35	8400±30%								

*1kHz, 0.25A/m, 10Ts.