

Ferrite Cores

T Series

For Cable
Toroidal

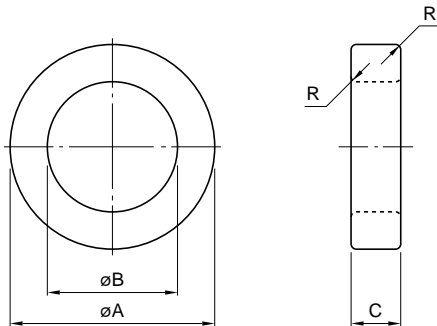
MATERIAL CHARACTERISTICS

Material			HS52	HS72	HS10
Initial permeability	μ_i		5500±25%	7500±25% [2000min., 500kHz]	10000±25%
Relative loss factor	$\tan\delta/\mu_i$	$\times 10^{-6}$	10[100kHz]	30[100kHz]	30[100kHz]
Saturation magnetic flux density*	B_s	mT[H=1194A/m]	410	410	380
Remanent flux density*	B_r	mT	70	80	120
Coercive force*	H_c	A/m	6	6	5
Curie temperature*	T_c	°C min.	130	130	120
Electrical resistivity*	ρ_v	$\Omega\cdot m$	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



Shape (øA×C×øB)	Material HS52*1 AL-value(nH/N ²) ±25%	HS72*1 ±25%	HS10*2 ±30%	Dimensions(mm)			Ae (mm ²)	le (mm)
				øA	øB	C		
T14×7×8	3800	5100	6800	14±0.4	8±0.3	7±0.3	20.5	32.8
T16×8×12	2500	3400	4500	16±0.3	12±0.3	8±0.3	15.9	43.4
T18×10×10	6400	8800	10150	18±0.3	10±0.3	10±0.3	38.9	41.5
T20×10×12	5600	7600	10000	20±0.4	12±0.4	10±0.3	39.1	48.1
T22×6.5×14	3200	4400	5750	22±0.4	14±0.4	6.5±0.3	25.6	54.7
T25×13×15	7300	9900	13000	25±0.4	15±0.4	13±0.3	63.6	60.2
T28×13×16	8000	10700	14200	28±0.4	16±0.4	13±0.3	76	65.6
T31×8×19	4300	5800	7700	31±0.5	19±0.5	8±0.3	47.1	75.5
T38×14×22	8400	10700	—	38±0.5	22±0.5	14±0.4	109	89.7
T44.5×13×30	5600	7100	—	44.5±0.5	30±0.5	13±0.4	93	114

*1100kHz, 100mV, 10Ts.

*210kHz, 10mV, 10Ts.

•Also available for the epoxy coating products.