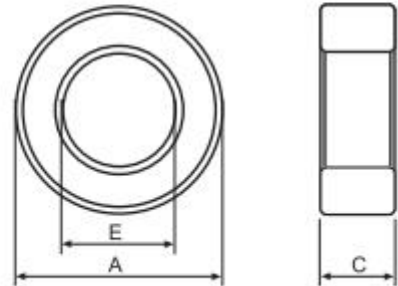
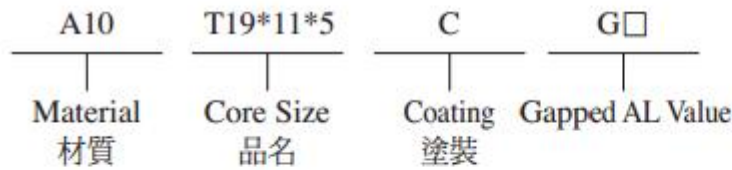


Type : T Cores

Ordering Code:

Shape:



C : Epoxy Coating of Halogen-Free UC : Epoxy Coating of UL & Halogen
 HP : Parylene Coating of Halogen-Free P : Parylene Coating of Halogen

■ DIMENSIONS AND EFFECTIVE PARAMETERS

CORES	DIMENSIONS (mm)			EFFECTIVE PARAMETERS				
	EPOXY COATING DIMENSIONS (mm)			C ₁ (mm ⁻¹)	Le(mm)	Ae(mm ²)	Ve(mm ³)	Wt(g/set)
	A	E	C					
T19x11x5	19.00 ± 0.30	11.00 ± 0.30	5.00 ± 0.30	2.36	47.12	20.00	942.48	4.43
	19.90max	10.10min	5.90max					
T19x13x6	19.00 ± 0.30	13.00 ± 0.30	6.00 ± 0.20	2.79	50.27	18.00	904.78	6.13
	19.90max	12.10min	6.80max					
T19.3x10.2x10.4	19.30 ± 0.40	10.20 ± 0.30	10.40 ± 0.30	0.97	45.55	46.80	2131.88	10.55
	20.30max	9.30min	11.30max					
T20x10x7	20.00 ± 0.40	10.00 ± 0.40	7.00 ± 0.30	1.35	47.12	35.00	1649.34	8.05
	21.00max	9.00min	7.90max					
T20x10x10	20.00 ± 0.40	10.00 ± 0.40	10.00 ± 0.30	0.94	47.12	50.00	2356.19	11.24
	21.00max	9.00min	10.90max					
T20x10x12	20.00 ± 0.40	10.00 ± 0.40	12.00 ± 0.30	0.79	47.12	60.00	2827.43	13.53
	21.00max	9.00min	12.90max					
T20x11x10	20.00 ± 0.40	11.00 ± 0.40	10.00 ± 0.30	1.08	48.69	45.00	2191.26	10.29
	21.00max	10.00min	10.90max					
T20x11x15	20.00 ± 0.40	11.00 ± 0.40	15.00 ± 0.30	0.72	48.69	67.50	3286.89	15.23
	21.00max	10.00min	15.90max					
T20x12x8	20.00 ± 0.40	12.00 ± 0.40	8.00 ± 0.30	1.57	50.27	32.00	1608.64	9.17
	21.00max	11.00min	8.90max					
T22x11x7	22.00 ± 0.30	11.00 ± 0.30	7.00 ± 0.30	1.35	51.81	38.50	1994.69	9.74
	22.90max	10.10min	7.90max					
T22x14x6.5	22.00 ± 0.40	14.00 ± 0.40	6.50 ± 0.30	2.17	56.55	26.00	1470.27	6.77
	23.00max	13.00min	7.40max					
T22x14x8	22.00 ± 0.40	14.00 ± 0.40	8.00 ± 0.30	1.77	56.55	32.00	1809.56	8.61
	23.00max	13.00min	8.90max					
T22x14x9	22.00 ± 0.40	14.00 ± 0.40	9.00 ± 0.30	1.57	56.55	36.00	2035.75	9.77
	23.00max	13.00min	9.90max					
T22x14x10	22.00 ± 0.40	14.00 ± 0.40	10.00 ± 0.30	1.41	56.55	40.00	2261.95	11.33
	23.00max	13.00min	10.90max					
T22x14x12.7	22.00 ± 0.40	14.00 ± 0.40	12.70 ± 0.30	1.11	56.55	50.80	2872.67	14.04
	23.00max	13.00min	13.60max					
T22.1x13.72x6.35	22.10 ± 0.40	13.72 ± 0.40	6.35 ± 0.30	2.11	56.27	26.61	1497.04	7.04
	23.10max	12.72min	7.25max					
T23x11x6	23.00 ± 0.40	11.00 ± 0.40	6.00 ± 0.30	1.48	53.41	36.00	1022.65	9.40
	24.00max	10.00min	6.90max					
T23x14x7	23.00 ± 0.40	14.00 ± 0.40	7.00 ± 0.30	1.85	58.11	31.50	1830.76	8.53
	24.00max	13.00min	7.90max					
T24x18x6	24.00 ± 0.40	18.00 ± 0.40	6.00 ± 0.30	3.64	65.07	17.88	1163.25	5.61
	25.00max	17.00min	6.90max					

Material Characteristics (7)

	Symbol	Unit	Measuring Conditions			High Permeability Materials			
			Freq.	Flux den.	Temp.	A10	A102	A121	A151
Initial Permeability	μ_i		$\leq 10\text{kHz}$	0.25mT	25°C	10000 \pm 30%	10000 \pm 30%	12000 \pm 30%	15000 \pm 30%
Relative Loss Factor	$\tan\delta/\mu_i$	10 ⁻⁶	10kHz	< 0.25mT	25°C	< 10	< 10	< 10	< 10
			100kHz		25°C	< 60	< 60	< 60	< 110
Saturation Flux Density	Bms	mT	10kHz	H = 1200A/m	25°C	410	380	380	400
					100°C	210	180	180	170
Remanence	Brms	mT	10kHz	H = 1200A/m	25°C	140	95	130	220
					100°C	110	75	110	100
Temperature Factor of Permeability	α_F	10 ⁻⁶ /°C	10kHz	< 0.25 mT	0 ~ 20°C	0 ~ 1.5	-1 ~ 1	0 ~ 1.5	-1 ~ 1
					20 ~ 70°C	-0.5 ~ 1	-1 ~ 1	-0.5 ~ 1	-1 ~ 1
Hysteresis Material Constant	η_B	10 ⁻⁶ /mT	10kHz	1.5-3.0mT	25°C	< 0.5	< 1	< 0.5	< 0.5
Disaccommodation Factor	D _F	10 ⁻⁶	10kHz	< 0.25 mT	25°C	< 2	< 2	< 2	< 2
Curie Temperature	T _c	°C				130	120	110	110
Resistivity	ρ	Ωm				0.15	0.15	0.12	0.10
Density	d	g/cm ³				4.90	4.90	4.90	5.00