

Common mode choke cores applied in EMC of TS series



Introduce of TS core-- Common Mode Choke cores

Common mode choke cores possess of excellent electromagnetic noise suppression performance because of its high saturation flux density and high permeability. Common mode choke cores are used to suppress common mode noise, since magnetic flux flows inside the ferrite core, common mode choke cores behave as an inductor to common mode current. Accordingly, using a Choke coil core provides larger impedance against common mode current and is more effective for common mode noise suppression than using several normal inductors. Choke coil core has size reduction, excellent temperature stability and low energy loss for your application.

Application of TS core-- Common Mode Choke cores

Designed for use in notebook and desktop PCs, the EMC series of common-mode choke coils, EMI Common Mode Filtering; Telecommunications and Data Communications Interface Transformers; High Accuracy Current and Pulse Transformer Ground Fault Protection Devices.

Type	Dimensions(mm)		
	A	B	C
T14×7×5	14±0.5	7±0.4	5.0±0.3
T16×12×8	16±0.5	12±0.4	8±0.3
T18×10×10	18±0.5	10±0.4	10±0.3
T20×12×10	20±0.5	12±0.4	10±0.3
T22×14×6.5	22±0.5	14±0.4	6.5±0.3
T25×15×13	25±0.2	15±0.4	13±0.3
T28×14×13	28±0.5	14±0.4	13±0.3
T31×19×18	31±0.5	19±0.4	8±0.3
T38×19×13	38±0.5	19±0.5	13±0.4
T45×30×13	45±0.5	30±0.5	13±0.4

Type	Core parameter		weight (g/pr.)	Al(nH/N ²)±25%		
	Ae (mm ²)	Ie (mm)		Fs5(±25%)	Fs7(±25%)	Fs10(±25%)
T14×7×5	16.8	30.5	2.6	3330	4660	6660
T16×12×8	16	43	3.5	2500	3400	4500
T18×10×10	39	42	8.8	6400	8800	10500
T20×12×10	39	48	10.0	5600	7600	10000
T22×14×6.5	26	55	7.3	3200	4400	5750
T25×15×13	64	60	20.4	7300	9900	13000
T28×14×13	76	66	30.0	8000	10700	14200
T31×19×13	47	76	18.8	4300	5800	7700
T38×19×13	109	90	55.3	8400	10700	
T45×30×13	93	114	57.4	5600	7100	

10kHz,100mv,10Ts

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Add: 16F1,jinyuan building,NO.57,hubin S.Rd.,Xiamen,China.361004

Tel : (86)592 2225286 (86)592 2219816 (86)592 2217138 Fax: (86)592 2207122

Email : magnetcom@gmail.com sales@magnet-tech.com