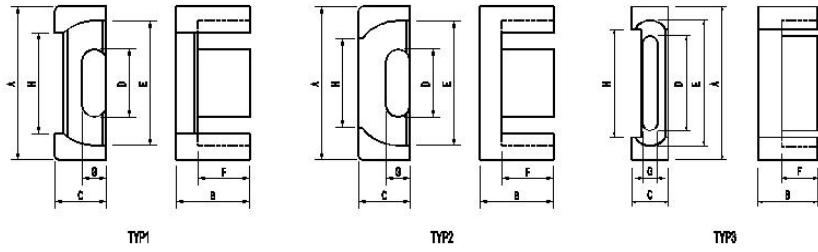


EPC型功率磁芯



型号 TYPE	EPC10/8	EPC13/13.2	EPC13.8/13.6	EPC14/14	EPC17/16	EPC17/17	EPC17/17V	EPC18.5	EPC19/20	EPC25/25	EPC27/32	EPC30/35	EPC34/35	EPC39/39	EPC39.5/43	EPC40/32	EPC42/44	EPC46/49	EPC46.5/44	EPC54/54	
图 TYPE	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP2	TYP2	TYP3	TYP1	TYP1	TYP2	TYP1	
尺寸 Dimension (mm)	A(外长)	10.25±0.30	13.50±0.40	13.80±0.40	14.00±0.30	17.70±0.40	17.60±0.40	17.60±0.50	18.5±0.4	19.60±0.50	25.10±0.50	27.10±0.50	30.10±0.50	34.00±0.70	39.00±0.70	39.50±0.70	<b>40.50±0.70</b>	42.40±1.00	46.00±1.00	46.50±1.00	54.50±1.20
	B(外高)	4.05±0.25	6.60±0.25	6.80±0.30	7.00±0.30	8.00±0.25	8.55±0.30	8.55±0.30	8.7±0.2	9.75±0.30	12.50±0.25	16.00±0.25	17.50±0.30	17.40±0.30	19.60±0.30	21.60±0.30	<b>16.00±0.30</b>	22.00±0.30	24.80±0.30	22.30±0.30	27.20±0.30
	C(厚度)	3.40±0.25	4.60±0.25	4.60±0.25	4.60±0.25	6.00±0.25	6.00±0.25	6.70±0.30	6.0±0.25	6.00±0.30	8.00±0.25	8.00±0.25	8.00±0.30	12.90±0.35	15.60±0.30	16.00±0.30	<b>9.80±0.30</b>	15.00±0.40	19.50±0.40	19.40±0.40	21.50±0.40
	D(中柱)	5.00±0.25	5.60±0.25	5.60±0.25	5.60±0.30	7.70±0.25	7.70±0.25	7.70±0.30	7.6±0.25	8.50±0.30	11.50±0.25	13.0±0.35	15.00±0.30	14.85±0.4	18.00±0.30	16.95±0.30	<b>25.20±0.40</b>	17.00±0.30	20.80±0.40	21.00±0.40	26.50±0.40
	E(窗口)	7.6	10.5	10.9	11.4	14.3	14.3	14	15.1	15.8	20.6	21.6	23.6	26.5	30.7	28.5	<b>32.8</b>	33.5	35.7	36.9	43
	F(内高)	2.65±0.25	4.50±0.25	4.75±0.30	5.00±0.30	5.50±0.25	6.05±0.20	6.50±0.30	6.25±0.25	7.25±0.30	9.10±0.25	12.00±0.25	13.00±0.30	12.60±0.30	14.00±0.30	16.60±0.30	<b>9.60±0.25</b>	16.00±0.30	18.40±0.40	15.80±0.40	19.30±0.40
	G(中柱)	1.90±0.25	2.00±0.20	2.05±0.25	2.10±0.25	2.80±0.20	2.80±0.1	2.80±0.25	2.7±0.2	2.50±0.25	4.00±0.10	4.00±0.20	4.00±0.25	7.90±0.25	10.00±0.30	10.0±0.25	<b>4.00±0.20</b>	7.40±0.30	11.90±0.30	12.00±0.30	14.00±0.30
Hmin	5.3	8.3	8.3	9.2	11.5	11.5	11.5	11.50	13.1	17.1	18.5	19.5	21	24.5	19.6	<b>28.2</b>	26.5	28.4	29.4	34.3	
磁芯常数 $C_i$ (mm <sup>-1</sup> )	1.90	2.3	2.45	2.62	1.58	1.78	1.76	1.87	2.03	1.33	1.42	1.34	0.75	0.53	0.56	0.78	0.56	0.49	0.44	0.39	
有效磁路长度 $L_e$ (mm) Effective length	17.8	29	30.6	32.6	36.2	38.998	40.2	40.41	46.1	56.88	70.1	81.6	78.19	90	92.8	<b>88.1</b>	95	111.2	101	130.8	
有效截面积 $A_e$ (mm <sup>2</sup> ) Effective	9.39	12.4	12.5	12.5	22.8	21.8	22.8	21.61	22.7	42.78	49.23	61	104.91	169	167	<b>113.36</b>	169	227	229	336	
有效体积 $V_e$ (mm <sup>3</sup> )	167	360	382	405.3	825	850.2	917	873.20	1047	2433.5	3451	4977	8203.3	15210	15509	<b>9987</b>	16055	25242	23129	43949	
重量 (g)	1.1	2.1	2.1	2.4	3.9	4.6	4.5	4.20	5.3	12.8	17.7	23	45.5	73	86.2	<b>36.6</b>	78.4	122.4	125	200	
约设计功率 (W) Design power 1KHz/0.25v	3.3	6.3	6.3	7.2	11.7	13.8	13.5	12.6	15.9	38.4	53.1	69	136.5	219	258.6	<b>109.8</b>	235.2	367.2	375	600	
电感系数 $AL$ (nH/N <sup>2</sup> )	TP4	950	850	830	750	1200	1150	1400	1100	900	1560	1650	1500	3000	4250	4200	2600	2800	4100	4800	6000
	TP4A	991	887	866	783	1252	1200	1461	1148	939	1628	1722	1565	3130	4435	4383	2713	2922	4278	5009	6261
	TP47	1033	924	902	815	1304	1250	1522	1196	978	1696	1793	1630	3261	4620	4565	2826	3043	4457	5217	6522
	TP95	1363	1220	1191	1076	1722	1650	2009	1578	1291	2238	2367	2152	4304	6098	6026	3730	4017	5883	6887	8609

注: AL值测试条件为1KHz, 0.25v, 100Ts, 25±3℃