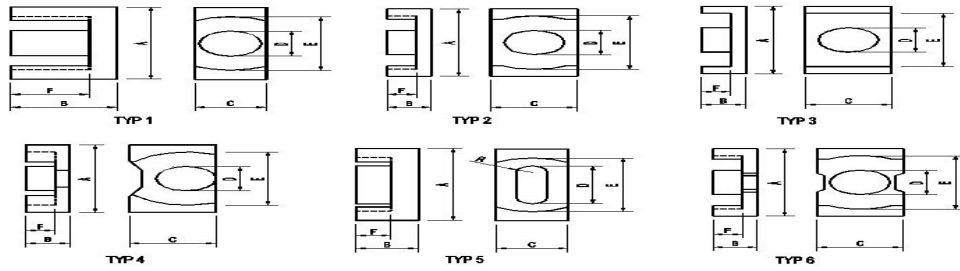


ER型功率磁芯



磁芯型号 Type	ER7. 5/5. 6/3. 9	ER9. 5/4. 5/8	ER9. 5/5/5	ER10. 5/8. 5/6	ER11. 5/5/6	ER12. 7/6. 1/6	ER12. 8/6/9	ER14. 5/6. 8/7	ER14. 5/6/7	ER15/13. 2/6	ER17. 5/12/5	ER19/15/6	ER19/16/5	ER19. 8/8/10	ER20/9. 6/10	ER021/21/8中柱椭圆	ER021/24/8中柱椭圆	ER22/10/14	ER24/9/21	ER25/29/8	
图Type	TYP2	TYP2	TYP2	TYP6	TYP2	TYP1	TYP1	TYP3	TYP3	TYP1	TYP1	TYP1	TYP1	TYP4	TYP5	TYP1	TYP1	TYP1	TYP1	TYP1	
尺寸 Dimension (mm)	A(外长)	7.60±0.20	9.40±0.30	9.40±0.30	10.55±0.30	10.80±0.30	12.70±0.30	12.80±0.30	14.50±0.30	14.50±0.30	15.30±0.30	17.50±0.40	19.00±0.40	19.20±0.40	19.80±0.40	20.50±0.40	21.00±0.50	21.00±0.50	22.60±0.50	24.00±0.50	24.90±0.50
	B(外高)	2.80±0.20	2.25±0.20	2.50±0.20	4.25±0.20	2.45±0.20	3.05±0.20	3.00±0.20	3.40±0.20	3.00±0.20	6.60±0.30	6.00±0.30	7.50±0.30	8.00±0.30	4.00±0.20	4.80±0.25	10.50±0.30	12.00±0.30	5.10±0.30	4.50±0.20	14.55±0.30
	C(厚度)	3.90±0.20	4.90±0.30	4.90±0.30	6.20±0.30	5.90±0.30	6.10±0.30	8.70±0.30	6.70±0.30	6.70±0.30	5.70±0.30	5.00±0.30	5.95±0.30	5.10±0.30	9.80±0.30	9.90±0.30	7.70±0.30	7.70±0.30	14.00±0.30	21.00±0.30	8.40±0.30
	D(中柱)	2.60±0.20	3.40±0.20	3.40±0.20	3.70±0.20	4.10±0.20	4.10±0.20	5.00±0.30	4.70±0.20	4.70±0.20	5.70±0.30	5.00±0.30	5.95±0.30	5.00±0.30	6.00±0.30	7.90±0.30	5.80±0.30	5.80±0.30	8.80±0.30	12.00±0.25	8.40±0.30
	E(窗口)	5.70	7.30	7.30	8.60	8.50	10.00	10.80	11.50	11.50	9.60	13.00	13.80	14.20	16.70	16.70	15.40	15.40	19.80	19.80	18.00
	F(内高)	1.90±0.20	1.65±0.20	1.70±0.20	2.45±0.20	1.60±0.20	2.00±0.20	1.90±0.20	2.30±0.20	1.65±0.20	4.30±0.20	4.20±0.20	4.60±0.25	5.70±0.30	1.80±0.20	2.80±0.20	8.10±0.30	9.90±0.30	2.90±0.20	3.00±0.20	10.20±0.30
	R															3.00±0.20					
磁芯常数 C (mm ⁻¹) Core Factor	1.7	1.7	1.6	1.3	1.2	1.3	0.8	1.1	1.1	1.0	0.6	1.1	1.8	0.7	0.7	1.4	1.5	0.5	0.3	1.1	
有效磁路长度 Le(mm) Effective length	14.2	13.8	14.0	18.2	14.1	18.5	17.1	19.3	19.0	28.9	25.0	35.2	39.7	24.1	30.0	50.7	56.7	30.4	26.4	64.3	
有效截面积 Ae (mm ²) Effective Area	8.5	8.0	8.6	14.0	12.2	13.8	20.5	17.6	17.6	28.0	44.0	31.2	22.0	36.7	40.9	37.1	37.1	60.7	79.6	58.6	
有效体积 Ve (mm ³) Effective Volume	120.0	110.0	120.4	255.0	172.0	254.6	350.0	339.7	335.0	807.8	1100.0	1097.6	876.0	882.0	1227.0	1881.0	2103.6	1845.0	2101.0	3768.0	
重量 (g) Weight	0.5	0.6	0.6	1.6	1.0	1.0	1.9	2.0	1.9	3.6	5.3	5.5	4.4	5.2	5.8	10.0	12.0	10.0	14.8	19.4	
约设计功率 (W) Design power 1KHz/0.25v	2	2	2	5	3	2	6	6	6	10	16	16	13	15	18	30	36	30	45	58	
电感系数 AL (nH/N ²)	TP4	820	900	950	1400	1040	1300	1400	2000	1900	1800	1450	1600	1200	2000	2500	1600	1600	4500	3200	1900
	TP4A	850	939	991	1461	1085	1357	1461	2087	1983	1878	1513	1670	1252	2087	2609	1670	1670	4696	3339	1983
	TP47	891	978	1033	1522	1130	1413	1522	2174	2065	1957	1576	1739	1304	2174	2717	1739	1739	4891	3478	2065
	TP95	1177	1291	1363	2009	1492	1865	2009	2870	2726	2583	2080	2296	1722	2870	3587	2296	2296	6457	4591	2726

注：AL值测试条件为 1KHz, 0.25v, 100Ts, 25 ± 3℃

ER25/8.7/7.5	ER25/19/7.5	ER25/22/7.5	ER25/32/7.5	ER25/10/10	ER26/26/10	ER27/13/17.5	ER28/12.6/7.5	ER28/19/11	ER28/21/11	ER28/25/11	ER28/28/11	ER28/34/11	ER28/12/23	ER29/25/11	ER29/28/11	ER29/34/11	ER30/28/11	ER30/34/11	ER30/32/9.3	ER30/9.6/9.5	ER30/16/20	ER30/19/20	ER31/34/11	ER32/16/21	ER33/24/17	ER33/35/14	ER34/35/11	ER35/27/11	ER35/30/11	ER35/32/11	
TYP2	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP2	TYP1	TYP1	TYP1	TYP1	TYP1	TYP6	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1
25.50±0.60	25.50±0.60	25.50±0.60	25.50±0.60	25.50±0.60	26.00±0.60	27.00±0.60	28.00±0.60	28.50±0.60	28.50±0.60	28.50±0.60	28.50±0.60	28.50±0.60	28.00±0.60	29.40±0.60	29.40±0.60	29.40±0.60	30.00±0.80	30.00±0.80	30.00±0.80	30.00±0.80	30.00±0.80	30.00±0.80	30.00±0.80	31.40±0.80	32.00±0.80	33.00±0.80	33.00±0.80	34.20±0.80	35.00±0.80	35.00±0.80	35.00±0.80
4.35±0.20	9.50±0.30	10.90±0.30	15.90±0.30	5.10±0.30	12.90±0.30	6.70±0.30	6.30±0.30	9.50±0.30	10.50±0.30	12.80±0.30	14.00±0.30	16.90±0.30	5.70±0.30	12.50±0.30	14.00±0.30	17.20±0.30	14.10±0.30	17.10±0.30	15.80±0.30	4.80±0.30	8.30±0.30	9.50±0.30	16.90±0.30	8.40±0.30	12.30±0.30	17.30±0.30	17.30±0.30	13.50±0.30	15.00±0.30	16.00±0.30	16.00±0.30
7.50±0.30	7.50±0.30	7.50±0.30	7.50±0.30	10.20±0.30	10.00±0.30	17.50±0.30	7.50±0.30	11.40±0.30	11.40±0.30	11.40±0.30	11.40±0.30	11.40±0.30	23.00±0.40	11.40±0.30	11.40±0.30	11.40±0.30	11.40±0.30	11.40±0.30	9.30±0.30	9.50±0.30	20.00±0.40	20.50±0.40	11.40±0.30	21.00±0.40	17.00±0.30	13.80±0.30	10.80±0.30	11.30±0.30	11.30±0.30	11.30±0.30	11.30±0.30
7.50±0.30	7.50±0.30	7.50±0.30	7.50±0.30	8.30±0.30	9.00±0.30	11.10±0.30	7.50±0.30	9.90±0.30	9.90±0.30	9.90±0.30	9.90±0.30	9.90±0.30	11.20±0.30	9.90±0.30	9.90±0.30	9.90±0.30	9.90±0.30	9.90±0.30	9.30±0.30	7.80±0.30	11.00±0.30	13.30±0.30	9.90±0.30	11.20±0.30	14.80±0.30	12.50±0.30	10.80±0.30	11.30±0.30	11.30±0.30	11.30±0.30	11.30±0.30
19.50	19.50	19.50	19.50	18.50	19.00	23.00	22.10	21.20	21.20	21.20	21.20	21.20	19.30	22.20	22.20	22.50	23.00	23.00	22.00	23.60	25.60	25.40	24.90	29.40	24.50	25.00	26.00	25.30	25.30	25.30	25.30
1.35±0.20	6.40±0.30	7.80±0.30	12.8±0.3	3.20±0.25	9.20±0.30	4.35±0.25	3.30±0.25	6.30±0.30	6.40±0.30	8.40±0.30	9.70±0.30	12.60±0.30	3.05±0.25	8.15±0.3	9.80±0.30	12.80±0.30	9.80±0.30	12.80±0.30	11.00±0.30	2.00±0.20	5.40±0.30	6.80±0.30	12.50±0.30	6.00±0.30	6.80±0.30	12.80±0.30	12.30±0.30	8.50±0.30	10.00±0.30	10.00±0.30	
0.7	1.1	1.2	1.7	0.6	0.8	0.4	0.9	0.6	0.6	0.7	0.8	0.8	0.4	0.7	0.8	0.9	0.8	1.0	1.0	0.7	0.4	0.4	1.0	0.5	0.3	0.7	0.8	0.6	0.7	0.6	0.6
29.1	49.1	53.9	74.0	32.0	58.1	36.8	38.1	48.2	49.6	58.0	64.2	75.8	37.5	58.4	65.2	77.1	65.6	77.6	70.8	34.5	45.8	48.2	77.6	49.7	56.5	79.6	79.1	64.5	70.5	71.5	71.5
44.5	44.3	44.3	43.6	55.0	73.4	93.4	44.8	77.9	86.1	86.4	81.0	81.0	98.5	83.8	82.7	84.7	81.4	80.6	73.2	52.6	112.0	133.3	80.6	101.0	173.0	122.0	96.6	106.8	106.5	111.5	111.5
1292.0	2250.0	2384.4	3224.2	1760.0	4267.1	3437.0	1708.9	3757.8	4273.0	5005.0	5310.0	6220.0	3689.0	4890.2	5390.0	6541.0	5340.2	6250.7	5178.0	1813.0	5129.6	6430.0	6250.7	5028.0	9774.0	9720.0	7634.0	6891.2	7512.8	7969.8	7969.8
6.6	10.8	12.4	15.7	8.5	21.0	19.0	7.4	21.0	22.9	26.0	27.8	34.0	22.0	25.6	28.8	34.5	28.0	31.5	26.3	9.8	26.0	38.0	31.5	20.7	51.1	50.0	39.0	37.5	41.0	42.0	42.0
20	33	37	47	25	63	57	21	63	69	78	84	100	66	78	90	102	85	95	80	30	78	115	95	60	155	150	125	110	125	125	125
3000	1850	1700	1425	2900	2200	4700	2700	3300	3400	2600	2700	2400	6000	2600	2700	2400	2400	2500	2500	3300	4300	5000	2500	6000	5300	3400	2600	3600	3000	3000	3000
3130	1930	1774	1487	3026	2296	4904	2817	3443	3548	2713	2817	2504	6261	2713	2817	2504	2504	2609	2609	3443	4487	5217	2609	6261	5530	3548	2713	3757	3130	3130	3130
3261	2011	1848	1549	3152	2391	5109	2935	3587	3696	2826	2935	2609	6522	2826	2935	2609	2609	2717	2717	3587	4674	5435	2717	6522	5761	3696	2826	3913	3261	3261	3261
4304	2654	2439	2045	4161	3157	6743	3874	4735	4878	3730	3874	3443	8609	3730	3874	3443	3443	3587	3587	4735	6170	7174	3587	8609	7604	4878	3730	5165	4304	4304	4304

ER35/36/11	ER35/36/13	ER35/41/13	ER35/42/11	ER35/43/11	ER36/37/11	ER36/42/11	ER36/43/11	ER37/43/11	ER38/25/9	ER38/10, 6/22	ER39/28/13
TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP6	TYP1
35.00±0.80	35.30±0.80	35.30±0.80	35.00±0.80	35.00±0.80	36.00±0.80	36.00±0.80	36.00±0.80	36.80±0.80	38.00±0.80	38.00±0.80	39.30±0.90
18.20±0.30	18.00±0.30	20.60±0.30	21.00±0.30	21.60±0.30	18.70±0.30	21.00±0.30	21.60±0.30	21.60±0.40	12.70±0.30	5.30±0.30	14.20±0.30
11.30±0.30	12.80±0.30	12.80±0.30	11.30±0.30	11.30±0.30	11.30±0.30	11.30±0.30	11.30±0.30	11.30±0.30	9.40±0.30	22.00±0.40	12.65±0.30
11.30±0.30	12.80±0.30	12.80±0.30	11.30±0.30	11.30±0.30	11.30±0.20	11.30±0.30	11.30±0.30	11.30±0.30	9.40±0.30	14.50±0.40	12.65±0.30
25.30	24.20	24.20	25.30	25.30	26.50	26.50	26.50	28.50	29.60	32.50	29.30
12.20±0.30	11.80±0.30	14.40±0.30	15.00±0.30	15.60±0.30	12.70±0.30	15.00±0.30	15.60±0.30	15.60±0.30	8.30±0.30	2.90±0.20	9.15±0.30
0.7	0.6	0.7	0.8	0.9	0.7	0.9	0.9	0.9	0.9	0.4	0.6
81.3	80.5	90.2	91.4	94.5	83.0	92.6	94.6	996.0	68.0	41.7	70.8
110.8	128.0	128.0	109.7	109.8	112.1	107.2	107.1	104.0	76.3	104.7	126.1
9014.0	10604.0	11546.0	10019.7	10383.0	93.0	9926.1	10125.5	9998.0	5190.0	7373.0	8921.0
45.0	49.5	53.0	51.8	52.2	47.0	51.0	53.5	52.5	26.0	26.8	45.6
135	150	160	155	155	140	155	160	155	75	80	135
2600	3900	3200	2600	2600	3100	2600	2600	2600	2500	6000	3900
2713	4070	3339	2713	2713	3235	2713	2713	2713	2609	6261	4070
2826	4239	3478	2826	2826	3370	2826	2826	2826	2717	6522	4239
3730	5596	4591	3730	3730	4448	3730	3730	3730	3587	8609	5596

ER39/30/13	ER39/40/13	ER39/42/13	ER39/44/13	ER39/46/13	ER40/42/13	ER40/44/13	ER40/45/13	ER40/46/13	ER41/45/13	ER41/18/30	ER42/43/15	ER42/44/15	ER42/45/15	ER42/30/20	ER42/42/20	ER43/45/15	ER43/47/15	ER45/46/15	ER45/48/15	ER45/11.5/27	ER48/18/34	ER49/50/16	ER49/53/17	ER49/54/17	ER50/54/19	ER54/50/19	ER70/70/16
TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP6	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1	TYP6	TYP6	TYP1	TYP1	TYP1	TYP1	TYP1	TYP1
39.30±0.90	39.30±0.90	39.30±0.90	39.30±0.90	39.30±0.90	40.00±1.00	40.00±1.00	40.00±1.00	40.00±1.00	41.50±1.00	41.50±1.00	42.00±1.00	42.00±1.00	42.00±1.00	42.50±1.00	42.50±1.00	43.70±1.10	43.70±1.10	44.70±1.10	44.70±1.10	44.70±1.10	48.00±1.10	49.00±1.20	49.00±1.20	49.00±1.20	50.50±1.20	54.20±1.20	70.00±1.80
15.00±0.30	20.00±0.30	21.20±0.30	22.20±0.30	23.00±0.40	21.00±0.30	22.00±0.30	22.40±0.40	23.00±0.30	22.70±1.00	9.00±0.30	21.50±0.30	22.00±0.30	22.40±0.30	15.00±0.30	21.20±0.40	22.50±0.40	23.60±0.40	23.00±0.40	24.30±0.40	5.75±0.30	9.00±0.30	25.00±0.40	26.50±0.40	27.00±0.40	27.00±0.40	27.00±0.40	27.00±0.40
12.65±0.30	12.65±0.30	12.65±0.30	12.65±0.30	12.65±0.30	13.30±0.30	13.30±0.30	13.30±0.30	13.30±0.30	13.30±0.30	30.00±0.40	15.20±0.30	15.20±0.30	15.20±0.30	19.80±0.40	19.80±0.40	15.20±0.30	15.20±0.30	15.20±0.30	15.20±0.30	27.00±0.40	34.00±0.40	16.30±0.30	17.20±0.40	17.20±0.40	18.70±0.30	18.90±0.30	16.40±0.40
12.65±0.30	12.65±0.30	12.65±0.30	12.65±0.30	12.65±0.30	13.30±0.30	13.30±0.30	13.30±0.30	13.30±0.30	13.30±0.30	21.00±0.40	15.20±0.30	15.20±0.30	15.20±0.30	17.30±0.30	17.30±0.30	15.20±0.30	15.20±0.30	15.20±0.30	15.20±0.30	18.00±0.40	21.00±0.40	16.30±0.30	17.20±0.40	17.20±0.40	18.70±0.30	18.90±0.30	16.40±0.40
29.30	29.30	29.30	29.30	29.30	28.70	28.70	28.70	28.70	30.00	33.00	30.00	30.00	30.00	32.00	31.80	32.00	32.00	33.00	33.00	38.00	41.00	36.30	37.00	36.50	38.30	41.00	43.20
9.50±0.30	14.80±0.30	16.00±0.30	17.00±0.30	17.50±0.30	14.00±0.30	15.00±0.30	15.40±0.30	16.00±0.30	15.80±0.30	5.40±0.30	15.40±0.30	15.00±0.30	15.40±0.30	9.10±0.30	15.40±0.30	15.60±0.30	16.60±0.30	15.30±0.30	16.60±0.30	2.80±0.20	5.40±0.30	18.30±0.30	18.70±0.30	18.70±0.30	18.70±0.30	17.50±0.30	22.75±0.40
0.6	0.7	0.8	0.8	0.8	0.6	0.6	0.7	0.7	0.7	0.3	0.6	0.5	0.5	0.3	0.4	0.6	0.6	0.5	0.5	0.2	0.2	0.5	0.5	0.5	0.4	0.4	0.5
72.8	93.9	98.4	101.7	106.0	92.0	95.9	99.1	100.0	100.0	53.4	97.8	97.2	98.7	71.6	99.8	102.3	106.0	106.3	111.5	38.0	55.0	112.0	120.0	119.0	119.3	117.0	139.5
128.5	127.5	126.6	125.0	125.0	151.0	150.5	147.0	149.6	153.5	263.0	174.2	179.6	182.3	217.9	240.0	181.4	186.0	200.7	200.7	254.3	318.0	236.0	237.0	235.0	273.0	273.8	282.8
9351.8	11973.4	12455.0	12712.5	13200.0	13880.0	14440.0	14790.0	14953.2	15355.0	14055.0	17034.2	17451.1	17994.4	15595.7	23952.0	20327.0	19700.0	21334.0	22378.0	9540.0	17500.0	26432.0	28440.0	28000.0	32530.0	32034.0	39449.0
47.1	61.5	63.5	62.4	67.0	78.0	80.5	78.0	82.0	80.6	76.6	86.0	88.0	92.5	84.0	116.0	98.0	100.0	109.0	114.0	45.0	84.6	128.0	138.0	146.0	168.0	157.0	242.0
140	185	190	185	200	230	240	230	245	240	230	260	265	275	250	350	295	300	330	340	135	250	380	415	435	505	470	725
3800	3000	3000	2800	2600	3500	3500	3300	3200	3000	7000	4500	4500	4100	6400	4800	4100	4100	4000	4000	8000	8000	3900	4700	4300	5300	4800	3900
3965	3130	3130	2922	2713	3652	3652	3443	3339	3130	7304	4696	4696	4278	6678	5009	4278	4278	4174	4174	8348	8348	4070	4904	4487	5530	5009	4070
4130	3261	3261	3043	2826	3804	3804	3587	3478	3261	7609	4891	4891	4457	6957	5217	4457	4457	4348	4348	8696	8696	4239	5109	4674	5761	5217	4239
5452	4304	4304	4017	3730	5022	5022	4735	4591	4304	10043	6457	6457	5883	9183	6887	5883	5883	5739	5739	11478	11478	5596	6743	6170	7604	6887	5596