

IRON POWER CHOKES

Series CK *Toroid type*

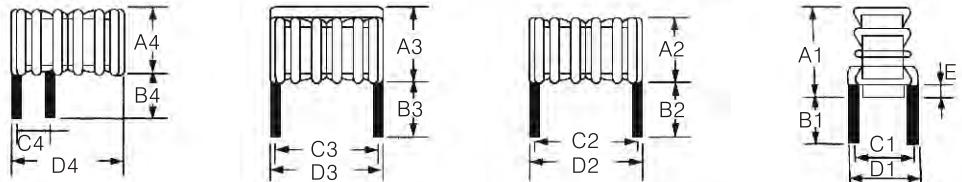
- FEATURES**
- ◆ The series coils are made from Iron power to provide high performance. Compact size and low cost.
 - ◆ These products have high saturation magnetic-flux density and excellent DC superposition characteristics.
 - ◆ These products have low leakage and acoustic noise is minimal.
- APPLICATIONS**
- ◆ Choke coils for smoothing circuit of switching power supply.
 - ◆ Choke coil for active filter.
 - ◆ Power lines filter for EMC application.

PRODUCT IDENTIFICATION

CK 50 X 52 I M 500N
 a b c d e f g

- a : Type of Products - Leded Power Inductors (IRON CORE)
 b : Dimension(mm) - Reference to SHAPES AND DIMENSION
 c : Materials - X = No Define
 d : Thickness(mm) - Reference to SHAPES AND DIMENSION
 e : Packing - PCS / REEL - I = 500
 f : Tolerance - K : ±10%, M : ±20%
 g : Inductance - 100N = 0.1uH, 10U = 10.0 uH, 1M2 = 1200uH

SHAPES & DIMENSIONS



Type	Inductance Range	Descriptions	Dimensions (mm)																
			A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4	E
			max.				± 1				± 1				max.				min.
CK50X26	1 μH ~ 10 μH	5026	18	8	10	8	6	6	6	6	7	15	15	5	9	15	18	155	0.5
CK50B26		5026B	18	9.5	11.5	9.5	6	6	6	6	8.5	14	15	5	10	15.5	18	155	0.5
CK50X52		5052	18	8	10	8	6	6	6	6	7	14	15	5	9	15.5	18	155	0.5
CK50B52		5052B	18	8	10	9.5	6	6	6	6	8.5	14	15	5	10	15.5	18	155	0.5
CK50X18		5018	18	8	10	8	6	6	6	6	7	14	15	5	9	15.5	18	155	0.5
CK50B18		5018B	18	9.5	11.5	9.5	6	6	6	6	8.5	14	15	5	10	15.5	18	155	0.5
CK60X52		6052	21	9.5	12	10	6	6	6	6	9.5(Ref)	16	17	6	11	15.5	22	20	0.5
CK60B18		6018B	21	10	12	10	6	6	6	6	9.5(Ref)	16	17	6	11	20	22	20	0.5

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Series CK Toroid type ELECTRICAL CHARACTERISTICS

Inductance L (μ H)	D.C Resistance (Ω) max.								Permissible D.C Current (A) Max. / L (μ H) min. when current applied							
	CK50X 26	CK50B 26	CK50X 52	CK50B 52	CK50X 18	CK50B 18	CK60X 52	CK60B 18	CK50X 26	CK50B 26	CK50X 52	CK50B 52	CK50X 18	CK50B 18	CK60X 52	CK60B 18
1.0	6.0	5.0	6.0	5.0	6.0	4.0	4.0	4.0	15/0.8	15/0.8	15/0.8	15/0.8	15/0.8	15/0.8	20/0.8	20/0.8
1.2	6.0	5.0	6.0	5.0	6.0	4.0	4.0	4.0	15/1.0	15/1.0	15/1.0	15/1.0	15/1.0	15/1.0	20/1.0	20/1.0
1.5	6.0	6.0	6.0	6.0	6.0	4.0	4.0	4.0	12/1.2	15/1.2	12/1.2	15/1.2	15/1.2	15/1.2	20/1.2	20/1.2
1.8	7.0	6.0	7.0	6.0	7.0	4.0	4.0	4.0	12/1.5	12/1.5	12/1.5	12/1.5	12/1.5	12/1.5	15/1.5	15/1.5
2.0	7.0	6.0	7.0	6.0	7.0	4.0	4.0	4.0	11/1.6	12/1.6	11/1.6	12/1.6	12/1.6	12/1.6	15/1.6	15/1.6
2.2	7.0	7.0	7.0	7.0	7.0	4.0	4.0	4.0	11/1.7	12/1.7	11/1.7	12/1.7	12/1.7	12/1.7	15/1.7	15/1.7
2.5	8.0	7.0	8.0	7.0	8.0	5.0	5.0	5.0	10/2.0	10/2.0	10/2.0	10/2.0	10/2.0	10/2.0	15/2.0	15/2.0
2.7	8.0	7.0	8.0	7.0	8.0	5.0	5.0	5.0	10/2.2	10/2.2	10/2.2	10/2.2	10/2.2	10/2.2	12/2.2	12/2.2
3.0	8.0	7.0	8.0	7.0	8.0	5.0	5.0	5.0	9/2.4	10/2.4	9/2.4	10/2.4	10/2.4	10/2.4	12/2.4	12/2.4
3.3	8.0	7.0	8.0	7.0	8.0	5.0	5.0	5.0	9/2.7	9/2.7	9/2.7	9/2.7	9/2.7	9/2.7	12/2.7	12/2.7
3.5	9.0	8.0	9.0	8.0	9.0	5.0	5.0	5.0	8/2.8	9/2.8	8/2.8	9/2.8	9/2.8	9/2.8	12/2.8	12/2.8
3.9	9.0	8.0	9.0	8.0	9.0	5.0	5.0	5.0	8/3.0	9/3.3	8/3.0	9/3.3	9/3.3	9/3.3	10/3.0	10/3.0
4.0	9.0	8.0	9.0	8.0	9.0	5.0	5.0	5.0	7/3.2	8/3.2	7/3.2	8/3.2	8/3.2	8/3.2	10/3.2	10/3.2
4.5	9.0	9.0	9.0	9.0	9.0	5.0	5.0	5.0	7/3.6	8/3.6	7/3.6	8/3.6	8/3.6	8/3.6	10/3.6	10/3.6
4.7	10.0	9.0	10.0	9.0	10.0	6.0	6.0	6.0	6/3.8	8/3.8	6/3.8	8/3.8	8/3.8	8/3.8	9/3.8	9/3.8
5.0	10.0	9.0	10.0	9.0	10.0	6.0	6.0	6.0	6/4.0	7/4.0	6/4.0	7/4.0	7/4.0	7/4.0	9/4.0	9/4.0
5.5	10.0	9.0	10.0	9.0	10.0	6.0	6.0	6.0	5/4.4	7/4.4	5/4.4	7/4.4	7/4.4	7/4.4	8/4.4	8/4.4
6.0	10.0	9.0	10.0	9.0	10.0	6.0	6.0	6.0	5/4.8	7/4.8	5/4.8	7/4.8	7/4.8	7/4.8	8/4.8	8/4.8
6.5	11.0	9.0	11.0	9.0	11.0	6.0	6.0	6.0	5/5.5	6/5.2	5/5.5	6/5.2	6/5.2	6/5.2	8/5.2	8/5.2
7.0	11.0	10.0	11.0	10.0	11.0	6.0	6.0	6.0	4/5.6	6/5.6	4/5.6	6/5.6	6/5.6	6/5.6	7/5.6	7/5.6
7.5	11.0	10.0	11.0	10.0	11.0	6.0	6.0	6.0	4/6.1	5/6.1	4/6.1	5/6.1	5/6.1	5/6.1	7/6.1	7/6.1
8.0	12.0	10.0	12.0	10.0	12.0	7.0	7.0	7.0	3/4.4	5/6.4	3/4.4	5/6.4	5/6.4	5/6.4	7/6.4	7/6.4
8.5	12.0	11.0	12.0	11.0	12.0	7.0	7.0	7.0	3/6.8	4/6.8	3/6.8	4/6.8	4/6.8	4/6.8	6/6.8	6/6.8
9.0	12.0	11.0	12.0	11.0	12.0	7.0	7.0	7.0	3/7.2	4/7.2	3/7.2	4/7.2	4/7.2	4/7.2	6/7.2	6/7.2
9.5	12.0	12.0	12.0	12.0	12.0	7.0	7.0	7.0	2/7.6	3/7.6	2/7.6	3/7.6	3/7.6	3/7.6	6/7.6	6/7.6
10	12.0	12.0	12.0	12.0	12.0	7.0	7.0	7.0	2/8.0	3/8.0	2/8.0	3/8.0	3/8.0	3/8.0	6/8.0	6/8.0

Tolerance ----- M : ± 20%

- ◆ Measuring frequency of inductance.
Type 1 & 2 series : 1KHz.
Type 3 & 4 & 7 series : 100KHz.
Type 5 & 6 & 8 series : 300KHz.
- ◆ All specifications are subject to change without notice.
- ◆ Special specifications are available upon request.