

CHOKES, FIXED INDUCTORS

Sd75/nominal inductance

Marking

The marking on the choke shows its inductance value in pH;
the lower-case letter "k" after the inductance value indicates that the value is given in mH.

Inductance at +23°C, 50mV.

Figure of merit Q, self resonant frequency are typical values.

The highest rated current is given for an ambient temperature of 40°C.

L±10% (μH)	at f (kHz)	Q ≥	at f (MHz)	f res > (MHz)	R s (Ω)	I max (mA)
0,1	1000	70	50	600	0,15	800
0,12	1000	80	50	560	0,15	800
0,15	1000	80	50	470	0,20	800
0,18	1000	80	50	420	0,20	800
0,22	1000	80	50	380	0,20	800
0,27	1000	80	50	320	0,25	800
0,33	1000	80	50	290	0,25	800
0,39	1000	75	50	260	0,25	800
0,47	1000	75	50	230	0,30	800
0,56	300	45	20	210	0,35	800
0,68	300	45	20	185	0,35	800
0,82	300	45	20	165	0,40	800
1	300	55	5	155	0,25	800
1,2	300	60	5	135	0,30	800
1,5	300	65	5	115	0,30	800
1,8	300	65	5	100	0,30	800
2,2	300	65	5	85	0,33	800
2,7	300	70	5	75	0,33	800
3,3	100	55	2	72	0,35	800
3,9	100	60	2	64	0,40	800
4,7	100	60	2	58	0,44	750
5,6	100	65	2	51	0,46	750
6,8	100	65	2	47	0,50	750
8,2	100	70	2	41	0,55	750
L±5% (μH)	at f (kHz)	Q ≥	at f (MHz)	f res (MHz)	> R s (Ω)	I max (mA)
10	100	55	1	38	0,55	700
12	100	55	1	32	0,60	680
15	100	60	1	27	0,70	620
18	100	60	1	23	0,75	580
22	100	60	1	20	0,85	560
27	30	60	1	18	0,90	540
33	30	60	1	16	0,95	520
39	30	60	1	14	1,10	500
47	30	60	1	12	1,20	480
56	30	60	1	9	1,30	460
68	30	60	0,5	8	1,40	440
82	30	60	0,5	7	1,60	400
100	30	60	0,5	6,5	1,80	380
120	30	60	0,5	5,5	2,00	360
150	30	60	0,5	4,5	2,20	340
180	30	60	0,5	2,8	2,50	320
220	30	60	0,5	2,5	2,80	300
270	10	60	0,5	2,2	3,10	280
330	10	60	0,5	2	3,40	270
390	10	65	0,5	3,5	8,00	180
470	10	70	0,5	3	9,00	180
560	10	70	0,5	2,5	10	170
680	10	70	0,5	1,5	11	150
820	10	70	0,5	1,5	12	140

Application

Decoupling of high and low frequency circuits, radio interference suppression, use in frequency selective circuits, etc.

We recommend these Chokes for application in telecommunication, video equipment and electronic data processing system.

Data:	
Dimensions	7,5 x 4,6 x 10,5 mm
Inductance range	0,1 µH+ 68 mH
Tolerance	± 10% <10µH ± 5% >10µH tighter tol. on request
Operating temperature range	-40°C/....+125°C
Solderability as per DIN IEC 68-2-20 Ta	235°C, 5 sec
Resistance to soldering heat DIN IEC 68-2-20 Tb	260°C, 5sec
Pulling strenght of lead out wires -2-21 Ua	10N
Temperature coefficient between-25° and +85°C	app. 200 x 10 ⁻⁶ /°K
Permissible power loss at 40°C	240mW
Packaging	bandoleered as per IEC 286/2
Packaging size	1000 pieces ammopack

Bandoleering:

P₀ = 12,7 ±0,2
F = 5 +0,5/-0,1
H = 16,5 ±0,3
W = 18 -0,5
W₁ = 9 ±0,5
D₀ = 4 ±0,2

The technical drawing illustrates the physical dimensions of the choke component. The top view shows a rectangular body with two vertical leads. Dimensions include overall width (W), lead diameter (D₀), lead spacing (F), and lead pitch (P₀). The side view shows the overall height (H) and the width of the body (W₁). A detail view of the lead shows a diameter of 4,6 mm, a height of 10,5 mm, and a base diameter of 0,5 mm.