

FEATURES

- Ferrite core provides high withstand voltage and wide inductance range.
- Non-Shielded magnetic circuit design.
- Radial Type.
- Operating temperature: -40°C ~ +105°C.



APPLICATIONS

- Ideally used in Power supply for TVs, VTRs, Computer, Computer peripherals, Home electric appliance, etc.

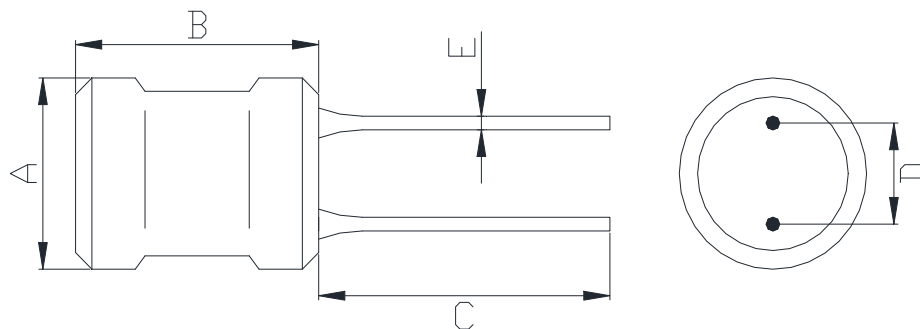
PRODUCT IDENTIFICATION

ALPK 0810 S 100 K B

(1) (2) (3) (4) (5) (6)

- (1) 系列名称 Series name
- (2) 产品尺寸 Product dimensions
- (3) 特性类别 Feature Type (S:Standard 标准型)
- (4) 电感量 Inductance Value (1R0:1.0uH, 100:10uH, 101:100uH)
- (5) 电感公差 Inductance Tolerance (K:10%, M:20%, N:30%)
- (6) 包装 Package (B:Bulk 散装)

SHAPE AND DIMENSIONS



Series	A Max.	B Max.	C	D	E
ALPK0406	5.5	8.0	15.0 Ref	2.0±0.5	0.50 Ref
ALPK0608	7.5	10.0	15.0 Ref	3.0±0.5	0.60 Ref
ALPK0810	10.0	13.0	15.0 Ref	5.0±0.5	0.65 Ref
ALPK0912	11.0	15.0	15.0 Ref	5.0±0.5	0.80 Ref
ALPK1012	12.0	15.0	15.0 Ref	5.0±0.5	0.80 Ref

Unit:mm

SPECIFICATIONS

ALPK0406 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (Ω)	Isat(A)
ALPK0406S1R0MB	1.0	20	1KHz/0.25V	0.035	2.00
ALPK0406S1R2MB	1.2	20	1KHz/0.25V	0.058	1.95
ALPK0406S1R5MB	1.5	20	1KHz/0.25V	0.075	1.90
ALPK0406S1R8MB	1.8	20	1KHz/0.25V	0.110	1.80
ALPK0406S2R2MB	2.2	20	1KHz/0.25V	0.120	1.75
ALPK0406S2R7MB	2.7	20	1KHz/0.25V	0.125	1.68
ALPK0406S3R3MB	3.3	20	1KHz/0.25V	0.130	1.50
ALPK0406S3R9MB	3.9	20	1KHz/0.25V	0.135	1.45
ALPK0406S4R7MB	4.7	20	1KHz/0.25V	0.140	1.32
ALPK0406S5R6MB	5.6	20	1KHz/0.25V	0.145	1.23
ALPK0406S6R8MB	6.8	20	1KHz/0.25V	0.150	1.15
ALPK0406S8R2MB	8.2	20	1KHz/0.25V	0.160	1.10
ALPK0406S100KB	10	10	1KHz/0.25V	0.230	1.00
ALPK0406S120KB	12	10	1KHz/0.25V	0.240	0.97
ALPK0406S150KB	15	10	1KHz/0.25V	0.250	0.92
ALPK0406S180KB	18	10	1KHz/0.25V	0.330	0.86
ALPK0406S220KB	22	10	1KHz/0.25V	0.450	0.80
ALPK0406S270KB	27	10	1KHz/0.25V	0.500	0.71
ALPK0406S330KB	33	10	1KHz/0.25V	0.700	0.66
ALPK0406S390KB	39	10	1KHz/0.25V	0.740	0.60
ALPK0406S470KB	47	10	1KHz/0.25V	0.760	0.55
ALPK0406S560KB	56	10	1KHz/0.25V	0.800	0.50
ALPK0406S680KB	68	10	1KHz/0.25V	0.900	0.47
ALPK0406S820KB	82	10	1KHz/0.25V	0.950	0.43
ALPK0406S101KB	100	10	1KHz/0.25V	1.000	0.40
ALPK0406S121KB	120	10	1KHz/0.25V	1.100	0.37
ALPK0406S151KB	150	10	1KHz/0.25V	1.300	0.35
ALPK0406S181KB	180	10	1KHz/0.25V	1.500	0.32
ALPK0406S221KB	220	10	1KHz/0.25V	1.800	0.30
ALPK0406S271KB	270	10	1KHz/0.25V	1.900	0.27
ALPK0406S331KB	330	10	1KHz/0.25V	2.200	0.25
ALPK0406S391KB	390	10	1KHz/0.25V	2.700	0.22
ALPK0406S471KB	470	10	1KHz/0.25V	3.600	0.20
ALPK0406S561KB	560	10	1KHz/0.25V	4.200	0.19
ALPK0406S681KB	680	10	1KHz/0.25V	4.600	0.17
ALPK0406S821KB	820	10	1KHz/0.25V	5.700	0.16

ALPK0608 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (Ω)	Isat(A)
ALPK0608S3R3MB	3.3	20	1KHz/0.25V	0.016	3.50
ALPK0608S4R7MB	4.7	20	1KHz/0.25V	0.020	3.00
ALPK0608S6R8MB	6.8	20	1KHz/0.25V	0.022	2.50
ALPK0608S100KB	10	10	1KHz/0.25V	0.039	2.00
ALPK0608S150KB	15	10	1KHz/0.25V	0.045	1.70
ALPK0608S220KB	22	10	1KHz/0.25V	0.062	1.40
ALPK0608S330KB	33	10	1KHz/0.25V	0.100	1.10
ALPK0608S470KB	47	10	1KHz/0.25V	0.150	0.95
ALPK0608S680KB	68	10	1KHz/0.25V	0.220	0.80
ALPK0608S101KB	100	10	1KHz/0.25V	0.350	0.65
ALPK0608S151KB	150	10	1KHz/0.25V	0.430	0.54
ALPK0608S221KB	220	10	1KHz/0.25V	0.900	0.44
ALPK0608S331KB	330	10	1KHz/0.25V	1.500	0.36
ALPK0608S471KB	470	10	1KHz/0.25V	1.800	0.30
ALPK0608S681KB	680	10	1KHz/0.25V	2.500	0.25
ALPK0608S102KB	1000	10	1KHz/0.25V	3.200	0.20
ALPK0608S122KB	1200	10	1KHz/0.25V	3.500	0.18
ALPK0608S152KB	1500	10	1KHz/0.25V	4.500	0.17
ALPK0608S182KB	1800	10	1KHz/0.25V	5.000	0.15
ALPK0608S222KB	2200	10	1KHz/0.25V	6.800	0.14
ALPK0608S272KB	2700	10	1KHz/0.25V	7.200	0.12
ALPK0608S332KB	3300	10	1KHz/0.25V	10.500	0.11
ALPK0608S392KB	3900	10	1KHz/0.25V	11.700	0.10
ALPK0608S472KB	4700	10	1KHz/0.25V	13.600	0.09
ALPK0608S562KB	5600	10	1KHz/0.25V	16.600	0.08
ALPK0608S682KB	6800	10	1KHz/0.25V	19.600	0.08
ALPK0608S822KB	8200	10	1KHz/0.25V	25.200	0.07
ALPK0608S103KB	10000	10	1KHz/0.25V	29.500	0.06
ALPK0608S123KB	12000	10	1KHz/0.25V	33.800	0.06
ALPK0608S153KB	15000	10	1KHz/0.25V	45.400	0.05
ALPK0608S183KB	18000	10	1KHz/0.25V	50.400	0.05
ALPK0608S223KB	22000	10	1KHz/0.25V	80.000	0.04
ALPK0608S273KB	27000	10	1KHz/0.25V	91.500	0.04
ALPK0608S333KB	33000	10	1KHz/0.25V	98.500	0.03
ALPK0608S393KB	39000	10	1KHz/0.25V	140.000	0.03
ALPK0608S473KB	47000	10	1KHz/0.25V	160.000	0.03

ALPK0810 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (Ω)	Isat(A)
ALPK0810S3R3MB	3.3	20	1KHz/0.25V	0.012	5.00
ALPK0810S3R9MB	3.9	20	1KHz/0.25V	0.014	4.60
ALPK0810S4R7MB	4.7	20	1KHz/0.25V	0.016	4.30
ALPK0810S5R6MB	5.6	20	1KHz/0.25V	0.020	3.90
ALPK0810S6R8MB	6.8	20	1KHz/0.25V	0.022	3.70
ALPK0810S8R2MB	8.2	20	1KHz/0.25V	0.024	3.50
ALPK0810S100KB	10	10	1KHz/0.25V	0.025	3.20
ALPK0810S120KB	12	10	1KHz/0.25V	0.027	3.00
ALPK0810S150KB	15	10	1KHz/0.25V	0.033	2.80
ALPK0810S180KB	18	10	1KHz/0.25V	0.039	2.60
ALPK0810S220KB	22	10	1KHz/0.25V	0.047	2.40
ALPK0810S270KB	27	10	1KHz/0.25V	0.052	2.10
ALPK0810S330KB	33	10	1KHz/0.25V	0.075	1.90
ALPK0810S390KB	39	10	1KHz/0.25V	0.082	1.70
ALPK0810S470KB	47	10	1KHz/0.25V	0.100	1.50
ALPK0810S560KB	56	10	1KHz/0.25V	0.150	1.30
ALPK0810S680KB	68	10	1KHz/0.25V	0.180	1.20
ALPK0810S820KB	82	10	1KHz/0.25V	0.200	1.10
ALPK0810S101KB	100	10	1KHz/0.25V	0.210	0.90
ALPK0810S121KB	120	10	1KHz/0.25V	0.220	0.80
ALPK0810S151KB	150	10	1KHz/0.25V	0.240	0.72
ALPK0810S181KB	180	10	1KHz/0.25V	0.280	0.65
ALPK0810S221KB	220	10	1KHz/0.25V	0.350	0.60
ALPK0810S271KB	270	10	1KHz/0.25V	0.400	0.55
ALPK0810S331KB	330	10	1KHz/0.25V	0.470	0.50
ALPK0810S391KB	390	10	1KHz/0.25V	0.680	0.46
ALPK0810S471KB	470	10	1KHz/0.25V	0.800	0.42
ALPK0810S561KB	560	10	1KHz/0.25V	1.000	0.38
ALPK0810S681KB	680	10	1KHz/0.25V	1.200	0.35
ALPK0810S821KB	820	10	1KHz/0.25V	1.500	0.31
ALPK0810S102KB	1000	10	1KHz/0.25V	1.800	0.28
ALPK0810S122KB	1200	10	1KHz/0.25V	2.000	0.25
ALPK0810S152KB	1500	10	1KHz/0.25V	2.400	0.23
ALPK0810S182KB	1800	10	1KHz/0.25V	2.800	0.21
ALPK0810S222KB	2200	10	1KHz/0.25V	3.300	0.19
ALPK0810S272KB	2700	10	1KHz/0.25V	5.000	0.17

ALPK0912 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (Ω)	Isat(A)
ALPK0912S1R0MB	1.0	20	1KHz/0.25V	0.011	5.00
ALPK0912S1R5MB	1.5	20	1KHz/0.25V	0.012	4.80
ALPK0912S1R8MB	1.8	20	1KHz/0.25V	0.013	4.70
ALPK0912S2R2MB	2.2	20	1KHz/0.25V	0.015	4.60
ALPK0912S3R3MB	3.3	20	1KHz/0.25V	0.017	4.50
ALPK0912S3R9MB	3.9	20	1KHz/0.25V	0.019	4.30
ALPK0912S4R7MB	4.7	20	1KHz/0.25V	0.020	4.00
ALPK0912S5R6MB	5.6	20	1KHz/0.25V	0.023	3.80
ALPK0912S6R8MB	6.8	20	1KHz/0.25V	0.025	3.50
ALPK0912S8R2MB	8.2	20	1KHz/0.25V	0.027	3.00
ALPK0912S100KB	10	10	1KHz/0.25V	0.035	2.80
ALPK0912S120KB	12	10	1KHz/0.25V	0.040	2.70
ALPK0912S150KB	15	10	1KHz/0.25V	0.045	2.30
ALPK0912S180KB	18	10	1KHz/0.25V	0.050	2.10
ALPK0912S220KB	22	10	1KHz/0.25V	0.060	2.00
ALPK0912S270KB	27	10	1KHz/0.25V	0.070	1.70
ALPK0912S330KB	33	10	1KHz/0.25V	0.100	1.50
ALPK0912S390KB	39	10	1KHz/0.25V	0.120	1.40
ALPK0912S470KB	47	10	1KHz/0.25V	0.125	1.30
ALPK0912S560KB	56	10	1KHz/0.25V	0.130	1.20
ALPK0912S680KB	68	10	1KHz/0.25V	0.140	1.00
ALPK0912S820KB	82	10	1KHz/0.25V	0.150	0.90
ALPK0912S101KB	100	10	1KHz/0.25V	0.160	0.70
ALPK0912S121KB	120	10	1KHz/0.25V	0.250	0.68
ALPK0912S151KB	150	10	1KHz/0.25V	0.280	0.65
ALPK0912S181KB	180	10	1KHz/0.25V	0.320	0.60
ALPK0912S221KB	220	10	1KHz/0.25V	0.470	0.50
ALPK0912S271KB	270	10	1KHz/0.25V	0.530	0.45
ALPK0912S331KB	330	10	1KHz/0.25V	0.600	0.40
ALPK0912S391KB	390	10	1KHz/0.25V	0.850	0.35
ALPK0912S471KB	470	10	1KHz/0.25V	0.950	0.33
ALPK0912S561KB	560	10	1KHz/0.25V	1.100	0.30
ALPK0912S681KB	680	10	1KHz/0.25V	1.200	0.25
ALPK0912S821KB	820	10	1KHz/0.25V	1.300	0.20
ALPK0912S102KB	1000	10	1KHz/0.25V	1.400	0.18
ALPK0912S152KB	1500	10	1KHz/0.25V	2.900	0.15

ALPK1012 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR Max. (Ω)	Isat(A)
ALPK1012S1R0MB	1.0	20	1KHz/0.25V	0.010	6.00
ALPK1012S1R5MB	1.5	20	1KHz/0.25V	0.012	5.80
ALPK1012S1R8MB	1.8	20	1KHz/0.25V	0.014	5.70
ALPK1012S2R7MB	2.7	20	1KHz/0.25V	0.015	5.50
ALPK1012S3R3MB	3.3	20	1KHz/0.25V	0.018	5.30
ALPK1012S3R9MB	3.9	20	1KHz/0.25V	0.020	5.00
ALPK1012S4R7MB	4.7	20	1KHz/0.25V	0.023	4.90
ALPK1012S5R6MB	5.6	20	1KHz/0.25V	0.025	4.80
ALPK1012S6R8MB	6.8	20	1KHz/0.25V	0.027	4.60
ALPK1012S8R2MB	8.2	20	1KHz/0.25V	0.029	4.50
ALPK1012S100KB	10	10	1KHz/0.25V	0.031	4.40
ALPK1012S120KB	12	10	1KHz/0.25V	0.033	4.30
ALPK1012S150KB	15	10	1KHz/0.25V	0.035	4.20
ALPK1012S180KB	18	10	1KHz/0.25V	0.040	4.00
ALPK1012S220KB	22	10	1KHz/0.25V	0.045	3.80
ALPK1012S270KB	27	10	1KHz/0.25V	0.050	3.50
ALPK1012S330KB	33	10	1KHz/0.25V	0.055	3.00
ALPK1012S390KB	39	10	1KHz/0.25V	0.060	2.50
ALPK1012S470KB	47	10	1KHz/0.25V	0.080	2.30
ALPK1012S560KB	56	10	1KHz/0.25V	0.085	2.00
ALPK1012S680KB	68	10	1KHz/0.25V	0.095	1.90
ALPK1012S820KB	82	10	1KHz/0.25V	0.110	1.80
ALPK1012S101KB	100	10	1KHz/0.25V	0.140	1.30
ALPK1012S121KB	120	10	1KHz/0.25V	0.160	1.50
ALPK1012S151KB	150	10	1KHz/0.25V	0.180	1.40
ALPK1012S181KB	180	10	1KHz/0.25V	0.250	1.30
ALPK1012S221KB	220	10	1KHz/0.25V	0.280	1.00
ALPK1012S271KB	270	10	1KHz/0.25V	0.420	0.90
ALPK1012S331KB	330	10	1KHz/0.25V	0.540	0.80
ALPK1012S391KB	390	10	1KHz/0.25V	0.600	0.75
ALPK1012S471KB	470	10	1KHz/0.25V	0.660	0.70
ALPK1012S561KB	560	10	1KHz/0.25V	0.740	0.60
ALPK1012S681KB	680	10	1KHz/0.25V	0.840	0.55
ALPK1012S821KB	820	10	1KHz/0.25V	1.080	0.50
ALPK1012S102KB	1000	10	1KHz/0.25V	1.390	0.45
ALPK1012S103KB	10000	10	1KHz/0.25V	12.000	0.18

Note:

Isat: DC current at which the inductance drops approximate 10% from its value without current.