

FEATURES

- Low cost.
- Wide range of inductance.
- Small mounting space required.
- The other types with low DCR, large current, best for the power supply line.



APPLICATIONS

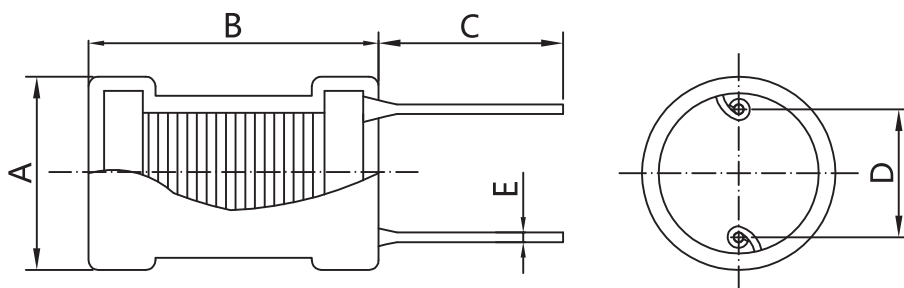
- Power supplies, DC-DC converters, TVs, VTRs, computer, computer peripherals, home electric appliance, ect.

PRODUCT IDENTIFICATION

PK 0912 – 4R7 M – B
a b c d e

- a : Series name
- b : Product dimensions
- c : Inductance Value (1R0:1.0uH; 100: 10uH; 101:100uH)
- d : Inductance Tolerance (K:10% ; M:20% ; N:30%)
- e : Packaging style (T: Taping; B: bulk)

SHAPES AND DIMENSIONS Unit: mm



Series	Dimensions(mm)				
	A Max.	B Max.	C Ref.	D	E Ref.
PK0406	5.5	8.0	15.0	2.0±0.5	0.50
PK0507	6.0	9.0	15.0	2.5±0.5	0.60
PK0608	7.5	10.0	15.0	3.0±0.5	0.60
PK0810	10.0	13.0	15.0	5.0±0.5	0.65
PK0912	11.0	15.0	15.0	5.0±0.5	0.80
PK1012	12.0	15.0	15.0	5.0±0.5	0.80
PK1016	12.0	19.0	15.0	5.0±0.5	0.80

ELECTRICAL CHARACTERISTICS

Part Number	L(μH)	Test Freq.(KHz)	DCR max.(Ω)	Rated Current(A)
PK0406-1R0MB	1.0	1.0	0.035	2.00
PK0406-1R2MB	1.2	1.0	0.058	1.95
PK0406-1R5MB	1.5	1.0	0.075	1.90
PK0406-1R8MB	1.8	1.0	0.110	1.80
PK0406-2R2MB	2.2	1.0	0.120	1.75
PK0406-2R7MB	2.7	1.0	0.125	1.68
PK0406-3R3MB	3.3	1.0	0.130	1.50
PK0406-3R9MB	3.9	1.0	0.135	1.45
PK0406-4R7MB	4.7	1.0	0.140	1.32
PK0406-5R6MB	5.6	1.0	0.145	1.23
PK0406-6R8MB	6.8	1.0	0.150	1.15
PK0406-8R2MB	8.2	1.0	0.160	1.10
PK0406-100KB	10	1.0	0.230	1.00
PK0406-120KB	12	1.0	0.240	0.97
PK0406-150KB	15	1.0	0.250	0.92
PK0406-180KB	18	1.0	0.330	0.86
PK0406-220KB	22	1.0	0.450	0.80
PK0406-270KB	27	1.0	0.500	0.71
PK0406-330KB	33	1.0	0.700	0.66
PK0406-390KB	39	1.0	0.740	0.60
PK0406-470KB	47	1.0	0.760	0.55
PK0406-560KB	56	1.0	0.800	0.50
PK0406-680KB	68	1.0	0.900	0.47
PK0406-820KB	82	1.0	0.950	0.43
PK0406-101KB	100	1.0	1.000	0.40
PK0406-121KB	120	1.0	1.100	0.37
PK0406-151KB	150	1.0	1.300	0.35
PK0406-181KB	180	1.0	1.500	0.32
PK0406-221KB	220	1.0	1.800	0.30
PK0406-271KB	270	1.0	1.900	0.27
PK0406-331KB	330	1.0	2.200	0.25
PK0406-391KB	390	1.0	2.700	0.22
PK0406-471KB	470	1.0	3.600	0.20
PK0406-561KB	560	1.0	4.200	0.19
PK0406-681KB	680	1.0	4.600	0.17
PK0406-821KB	820	1.0	5.700	0.16

Note:

Rated current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=20^{\circ}\text{C}$)

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.(KHz)	DCR max.(Ω)	Rated Current(A)
PK0507-1R0MB	1.0	1.0	0.014	3.50
PK0507-1R5MB	1.5	1.0	0.020	3.00
PK0507-2R2MB	2.2	1.0	0.025	2.50
PK0507-3R3MB	3.3	1.0	0.030	2.00
PK0507-4R7MB	4.7	1.0	0.040	1.70
PK0507-6R8MB	6.8	1.0	0.060	1.30
PK0507-100KB	10	1.0	0.080	1.00
PK0507-120KB	12	1.0	0.100	0.98
PK0507-150KB	15	1.0	0.110	0.90
PK0507-180KB	18	1.0	0.115	0.80
PK0507-220KB	22	1.0	0.120	0.70
PK0507-270KB	27	1.0	0.140	0.60
PK0507-330KB	33	1.0	0.160	0.55
PK0507-390KB	39	1.0	0.180	0.50
PK0507-470KB	47	1.0	0.200	0.50
PK0507-560KB	56	1.0	0.220	0.45
PK0507-680KB	68	1.0	0.300	0.45
PK0507-820KB	82	1.0	0.340	0.40
PK0507-101KB	100	1.0	0.360	0.40
PK0507-121KB	120	1.0	0.440	0.35
PK0507-151KB	150	1.0	0.520	0.30
PK0507-181KB	180	1.0	0.650	0.30
PK0507-221KB	220	1.0	0.750	0.25
PK0507-271KB	270	1.0	1.000	0.24
PK0507-331KB	330	1.0	1.300	0.20
PK0507-391KB	390	1.0	1.400	0.18
PK0507-471KB	470	1.0	1.600	0.16
PK0507-561KB	560	1.0	2.000	0.16
PK0507-681KB	680	1.0	2.300	0.14
PK0507-821KB	820	1.0	2.700	0.13
PK0507-102KB	1000	1.0	3.100	0.12
PK0507-122KB	1200	1.0	4.600	0.11
PK0507-152KB	1500	1.0	5.300	0.10
PK0507-182KB	1800	1.0	6.200	0.09
PK0507-222KB	2200	1.0	6.800	0.08
PK0507-272KB	2700	1.0	10.000	0.06

Note:

Rated current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=20^{\circ}\text{C}$)

ELECTRICAL CHARACTERISTICS

Part Number	L(μH)	Test Freq.(KHz)	DCR max.(Ω)	Rated Current(A)
PK0608-3R3MB	3.3	1.0	0.016	3.50
PK0608-4R7MB	4.7	1.0	0.020	3.00
PK0608-6R8MB	6.8	1.0	0.022	2.50
PK0608-100KB	10	1.0	0.039	2.00
PK0608-150KB	15	1.0	0.045	1.70
PK0608-220KB	22	1.0	0.062	1.40
PK0608-330KB	33	1.0	0.100	1.10
PK0608-470KB	47	1.0	0.150	0.95
PK0608-680KB	68	1.0	0.220	0.80
PK0608-101KB	100	1.0	0.350	0.65
PK0608-151KB	150	1.0	0.430	0.54
PK0608-221KB	220	1.0	0.900	0.44
PK0608-331KB	330	1.0	1.500	0.36
PK0608-471KB	470	1.0	1.800	0.30
PK0608-681KB	680	1.0	2.500	0.25
PK0608-102KB	1000	1.0	3.200	0.20
PK0608-122KB	1200	1.0	3.500	0.18
PK0608-152KB	1500	1.0	4.500	0.17
PK0608-182KB	1800	1.0	5.000	0.15
PK0608-222KB	2200	1.0	6.800	0.14
PK0608-272KB	2700	1.0	7.200	0.12
PK0608-332KB	3300	1.0	10.500	0.11
PK0608-392KB	3900	1.0	11.700	0.10
PK0608-472KB	4700	1.0	13.600	0.09
PK0608-562KB	5600	1.0	16.600	0.08
PK0608-682KB	6800	1.0	19.600	0.08
PK0608-822KB	8200	1.0	25.200	0.07
PK0608-103KB	10000	1.0	29.500	0.06
PK0608-123KB	12000	1.0	33.800	0.06
PK0608-153KB	15000	1.0	45.400	0.05
PK0608-183KB	18000	1.0	50.400	0.05
PK0608-223KB	22000	1.0	80.000	0.04
PK0608-273KB	27000	1.0	91.500	0.04
PK0608-333KB	33000	1.0	98.500	0.03
PK0608-393KB	39000	1.0	140.000	0.03
PK0608-473KB	47000	1.0	160.000	0.03

Note:

Rated current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=20^{\circ}\text{C}$)

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.(KHz)	DCR max.(Ω)	Rated Current(A)
PK0810-3R3MB	3.3	1.0	0.012	5.00
PK0810-3R9MB	3.9	1.0	0.014	4.60
PK0810-4R7MB	4.7	1.0	0.016	4.30
PK0810-5R6MB	5.6	1.0	0.020	3.90
PK0810-6R8MB	6.8	1.0	0.022	3.70
PK0810-8R2MB	8.2	1.0	0.024	3.50
PK0810-100KB	10	1.0	0.025	3.20
PK0810-120KB	12	1.0	0.027	3.00
PK0810-150KB	15	1.0	0.033	2.80
PK0810-180KB	18	1.0	0.039	2.60
PK0810-220KB	22	1.0	0.047	2.40
PK0810-270KB	27	1.0	0.052	2.10
PK0810-330KB	33	1.0	0.075	1.90
PK0810-390KB	39	1.0	0.082	1.70
PK0810-470KB	47	1.0	0.100	1.50
PK0810-560KB	56	1.0	0.150	1.30
PK0810-680KB	68	1.0	0.180	1.20
PK0810-820KB	82	1.0	0.200	1.10
PK0810-101KB	100	1.0	0.210	0.90
PK0810-121KB	120	1.0	0.220	0.80
PK0810-151KB	150	1.0	0.240	0.72
PK0810-181KB	180	1.0	0.280	0.65
PK0810-221KB	220	1.0	0.350	0.60
PK0810-271KB	270	1.0	0.400	0.55
PK0810-331KB	330	1.0	0.470	0.50
PK0810-391KB	390	1.0	0.680	0.46
PK0810-471KB	470	1.0	0.800	0.42
PK0810-561KB	560	1.0	1.000	0.38
PK0810-681KB	680	1.0	1.200	0.35
PK0810-821KB	820	1.0	1.500	0.31
PK0810-102KB	1000	1.0	1.800	0.28
PK0810-122KB	1200	1.0	2.000	0.25
PK0810-152KB	1500	1.0	2.400	0.23
PK0810-182KB	1800	1.0	2.800	0.21
PK0810-222KB	2200	1.0	3.300	0.19
PK0810-272KB	2700	1.0	5.000	0.17

Note:

Rated current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=20^{\circ}\text{C}$)

ELECTRICAL CHARACTERISTICS

Part Number	L(μH)	Test Freq.(KHz)	DCR max.(Ω)	Rated Current(A)
PK0912-1R0MB	1.0	1.0	0.011	5.00
PK0912-1R5MB	1.5	1.0	0.012	4.80
PK0912-1R8MB	1.8	1.0	0.013	4.70
PK0912-2R2MB	2.2	1.0	0.015	4.60
PK0912-3R3MB	3.3	1.0	0.017	4.50
PK0912-3R9MB	3.9	1.0	0.019	4.30
PK0912-4R7MB	4.7	1.0	0.020	4.00
PK0912-5R6MB	5.6	1.0	0.023	3.80
PK0912-6R8MB	6.8	1.0	0.025	3.50
PK0912-8R2MB	8.2	1.0	0.027	3.00
PK0912-100KB	10	1.0	0.035	2.80
PK0912-120KB	12	1.0	0.040	2.70
PK0912-150KB	15	1.0	0.045	2.30
PK0912-180KB	18	1.0	0.050	2.10
PK0912-220KB	22	1.0	0.060	2.00
PK0912-270KB	27	1.0	0.070	1.70
PK0912-330KB	33	1.0	0.100	1.50
PK0912-390KB	39	1.0	0.120	1.40
PK0912-470KB	47	1.0	0.125	1.30
PK0912-560KB	56	1.0	0.130	1.20
PK0912-680KB	68	1.0	0.140	1.00
PK0912-820KB	82	1.0	0.150	0.90
PK0912-101KB	100	1.0	0.160	0.70
PK0912-121KB	120	1.0	0.250	0.68
PK0912-151KB	150	1.0	0.280	0.65
PK0912-181KB	180	1.0	0.320	0.60
PK0912-221KB	220	1.0	0.470	0.50
PK0912-271KB	270	1.0	0.530	0.45
PK0912-331KB	330	1.0	0.600	0.40
PK0912-391KB	390	1.0	0.850	0.35
PK0912-471KB	470	1.0	0.950	0.33
PK0912-561KB	560	1.0	1.100	0.30
PK0912-681KB	680	1.0	1.200	0.25
PK0912-821KB	820	1.0	1.300	0.20
PK0912-102KB	1000	1.0	1.400	0.18
PK0912-152KB	1500	1.0	2.900	0.15

Note:

Rated current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=20^{\circ}\text{C}$)

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.(KHz)	DCR max.(Ω)	Rated Current(A)
PK1012-1R0MB	1.0	1.0	0.010	6.00
PK1012-1R5MB	1.5	1.0	0.012	5.80
PK1012-1R8MB	1.8	1.0	0.014	5.70
PK1012-2R7MB	2.7	1.0	0.015	5.50
PK1012-3R3MB	3.3	1.0	0.018	5.30
PK1012-3R9MB	3.9	1.0	0.020	5.00
PK1012-4R7MB	4.7	1.0	0.023	4.90
PK1012-5R6MB	5.6	1.0	0.025	4.80
PK1012-6R8MB	6.8	1.0	0.027	4.60
PK1012-8R2MB	8.2	1.0	0.029	4.50
PK1012-100KB	10	1.0	0.031	4.40
PK1012-120KB	12	1.0	0.033	4.30
PK1012-150KB	15	1.0	0.035	4.20
PK1012-180KB	18	1.0	0.040	4.00
PK1012-220KB	22	1.0	0.045	3.80
PK1012-270KB	27	1.0	0.050	3.50
PK1012-330KB	33	1.0	0.055	3.00
PK1012-390KB	39	1.0	0.060	2.50
PK1012-470KB	47	1.0	0.080	2.30
PK1012-560KB	56	1.0	0.085	2.00
PK1012-680KB	68	1.0	0.095	1.90
PK1012-820KB	82	1.0	0.110	1.80
PK1012-101KB	100	1.0	0.140	1.70
PK1012-121KB	120	1.0	0.160	1.50
PK1012-151KB	150	1.0	0.180	1.40
PK1012-181KB	180	1.0	0.250	1.30
PK1012-221KB	220	1.0	0.280	1.00
PK1012-271KB	270	1.0	0.420	0.90
PK1012-331KB	330	1.0	0.540	0.80
PK1012-391KB	390	1.0	0.600	0.75
PK1012-471KB	470	1.0	0.660	0.70
PK1012-561KB	560	1.0	0.740	0.60
PK1012-681KB	680	1.0	0.840	0.55
PK1012-821KB	820	1.0	1.080	0.50
PK1012-102KB	1000	1.0	1.390	0.45
PK1012-103KB	10000	1.0	12.000	0.18

Note:

Rated current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=20^{\circ}\text{C}$)

ELECTRICAL CHARACTERISTICS

Part Number	L(μH)	Test Freq.(KHz)	DCR max.(Ω)	Rated Current(A)
PK1016-1R0MB	1.0	1.0	0.010	9.00
PK1016-1R5MB	1.5	1.0	0.011	8.80
PK1016-1R8MB	1.8	1.0	0.012	8.60
PK1016-2R7MB	2.7	1.0	0.013	8.40
PK1016-3R3MB	3.3	1.0	0.014	8.20
PK1016-3R9MB	3.9	1.0	0.015	8.00
PK1016-4R7MB	4.7	1.0	0.020	7.70
PK1016-5R6MB	5.6	1.0	0.022	7.50
PK1016-6R8MB	6.8	1.0	0.023	7.30
PK1016-8R2MB	8.2	1.0	0.024	7.20
PK1016-100KB	10	1.0	0.030	7.10
PK1016-120KB	12	1.0	0.033	7.00
PK1016-150KB	15	1.0	0.035	6.50
PK1016-180KB	18	1.0	0.038	6.30
PK1016-220KB	22	1.0	0.045	5.50
PK1016-270KB	27	1.0	0.050	4.50
PK1016-330KB	33	1.0	0.060	4.00
PK1016-390KB	39	1.0	0.065	3.80
PK1016-470KB	47	1.0	0.070	3.60
PK1016-560KB	56	1.0	0.080	3.20
PK1016-680KB	68	1.0	0.090	3.00
PK1016-820KB	82	1.0	0.095	2.60
PK1016-101KB	100	1.0	0.120	2.50
PK1016-121KB	120	1.0	0.140	2.30
PK1016-151KB	150	1.0	0.170	2.10
PK1016-181KB	180	1.0	0.190	2.00
PK1016-221KB	220	1.0	0.250	1.80
PK1016-271KB	270	1.0	0.340	1.50
PK1016-331KB	330	1.0	0.450	1.40
PK1016-391KB	390	1.0	0.510	1.30
PK1016-471KB	470	1.0	0.560	1.20
PK1016-561KB	560	1.0	0.640	1.10
PK1016-681KB	680	1.0	0.710	1.00
PK1016-821KB	820	1.0	1.010	0.90
PK1016-102KB	1000	1.0	1.200	0.80

Note:

Rated current: The DC current at which the inductance decreases to 90% of its initial value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=20^{\circ}\text{C}$)