

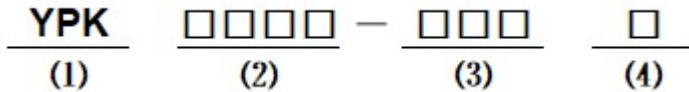
**■ Features**

- Low cost and high reliability.
- Wide range of inductance.
- Small mounting space required.
- 0406 type with excellent characteristics for high Q.
- The other types with low DCR, large current, best for the power supply line.
- Operating temperature: -40°C ~ +125°C.

**■ Applications**

- TVs and Audio equipment.
- Notebook, Inkjet printer, Copying machine, Display monitor, Cellular phone.
- Switching Power Supply.
- Excellent as DC/DC converter boost or buck inductor.

**■ Product Identification**



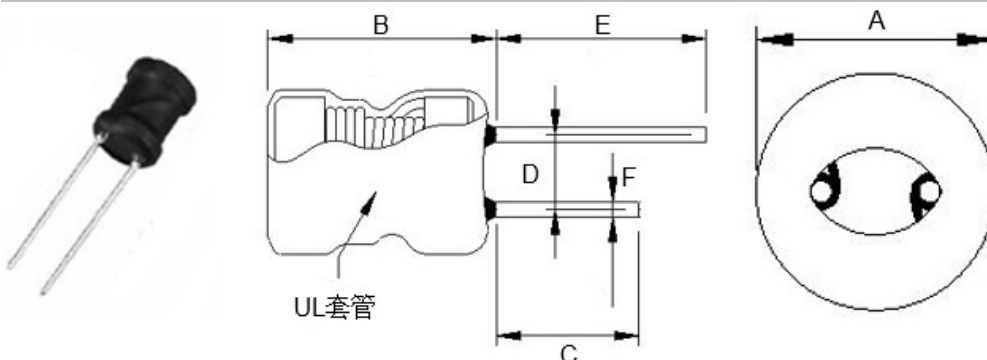
(1) : Type

(2) : Dimensions

(3) : Inductance value

(4): Inductance Tolerance: N=±30%, M=±20%, K=±10%, J=±5%

**■ Shapes and Dimensions (Unit: mm)**



TYPE	A Max.	B Max.	C	D	E	F Ref.
YPK0406	5.5	8.5	8.0±2.0	2.0±0.5	10.0±2.0	0.5±0.1

## ■ YPK0406 Series

Part Number	Inductance ( $\mu$ H)	L Test Frequency (KHz)	Max.DC Resistance ( $\Omega$ )	Max.Rated Current (A)
YPK0406-1R0□	1.0	100	0.035	2.000
YPK0406-1R2□	1.2	100	0.058	1.950
YPK0406-1R5□	1.5	100	0.075	1.900
YPK0406-1R8□	1.8	100	0.110	1.800
YPK0406-2R2□	2.2	100	0.120	1.750
YPK0406-2R7□	2.7	100	0.125	1.680
YPK0406-3R3□	3.3	100	0.130	1.600
YPK0406-3R9□	3.9	100	0.135	1.450
YPK0406-4R7□	4.7	100	0.140	1.320
YPK0406-5R6□	5.6	100	0.145	1.230
YPK0406-6R8□	6.8	100	0.150	1.150
YPK0406-8R2□	8.2	100	0.160	1.100
YPK0406-100□	10	100	0.230	1.100
YPK0406-120□	12	100	0.240	0.970
YPK0406-150□	15	100	0.250	0.920
YPK0406-180□	18	100	0.330	0.860
YPK0406-220□	22	100	0.450	0.800
YPK0406-270□	27	100	0.500	0.710
YPK0406-330□	33	100	0.700	0.660
YPK0406-390□	39	100	0.740	0.600
YPK0406-470□	47	100	0.760	0.550
YPK0406-560□	56	100	0.800	0.500
YPK0406-680□	68	100	0.900	0.470

## ■ YPK0406 Series

Part Number	Inductance ( $\mu$ H)	L Test Frequency (KHz)	Max.DC Resistance ( $\Omega$ )	Max.Rated Current (A)
YPK0406-82□	82	100	0.950	0.430
YPK0406-101□	100	100	1.000	0.400
YPK0406-121□	120	100	1.100	0.370
YPK0406-151□	150	100	1.300	0.350
YPK0406-181□	180	100	1.500	0.320
YPK0406-221□	220	100	1.800	0.300
YPK0406-271□	270	100	1.900	0.270
YPK0406-331□	330	100	2.200	0.250
YPK0406-391□	390	100	2.700	0.220
YPK0406-471□	470	100	3.600	0.200
YPK0406-561□	560	100	4.200	0.190
YPK0406-681□	680	100	4.600	0.170
YPK0406-821□	820	100	5.700	0.155
YPK0406-102□	1000	100	6.700	0.150
YPK0406-122□	1200	100	8.200	0.140
YPK0406-152□	1500	100	13.000	0.120
YPK0406-182□	1800	100	15.000	0.110
YPK0406-222□	2200	100	17.000	0.100
YPK0406-272□	2700	100	19.000	0.090
YPK0406-332□	3300	100	26.000	0.083
YPK0406-392□	3900	100	30.000	0.076
YPK0406-472□	4700	100	45.000	0.070
YPK0406-562□	5600	100	48.000	0.062

## ■ YPK0406 Series

Part Number	Inductance (uH)	L Test Frequency (KHz)	Max.DC Resistance (Ω)	Max.Rated Current (A)
YPK0406-682□	6800	100	56.000	0.056
YPK0406-822□	8200	100	62.000	0.052
YPK0406-103□	10000	100	72.000	0.047
YPK0406-153□	15000	100	120.00	0.035
YPK0406-223□	22000	100	160.00	0.024
YPK0406-253□	25000	100	180.00	0.020

- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20°C)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40°C. (at 20°C)
- ※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

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