

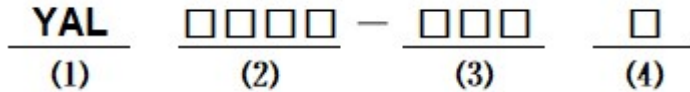
■ Features

- Low cost and high reliability.
- Coating epoxy resin that ensures the humidity resistance to be long life.
- Design to be compact, small and light-weight, wide range of inductance.
- Contribute to be high Q and self-resonant frequencies.
- Tapping type that is convenient for automatic insertion.
- Operating temperature: -40°C ~ +125°C.

■ Applications

- Electronics products.
- Communication equipment.
- Computer Devices.
- TV, VCR and radios.

■ Product Identification



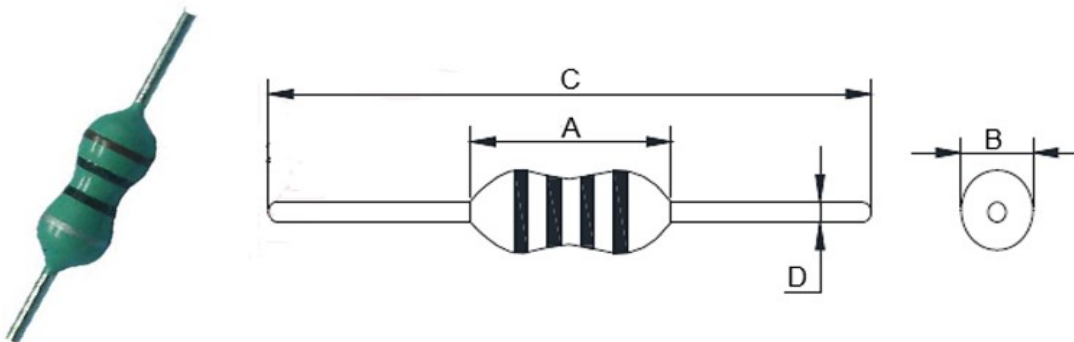
(1) : Type

(2) : Dimensions

(3) : Inductance value

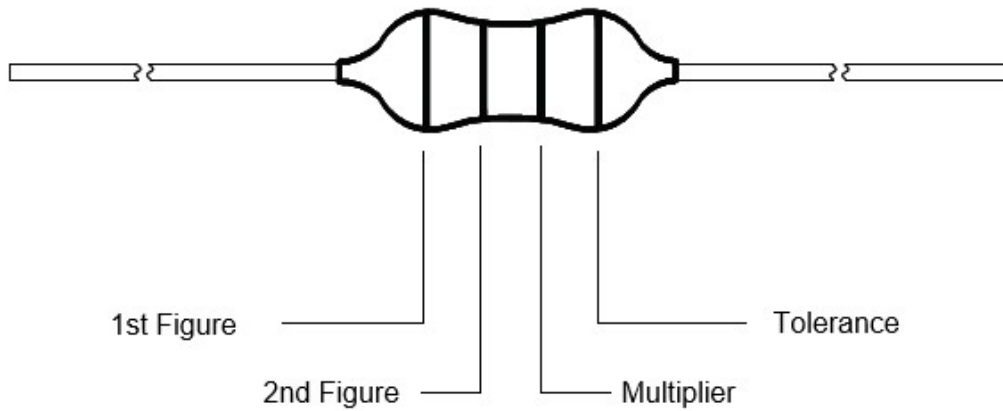
(4): Inductance Tolerance: N=±30%, M=±20%, K=±10%, J=±5%

■ Shapes and Dimensions (Unit: mm)



TYPE	A Max.	B Max.	C	D Fef.
YAL0307	8.0	3.0	62.0±2.0	0.50

Color Coding



Color	Nominal inductance (uH)			
	1st Figure	2nd Figure	Multiplier	Tolerance
Black 黑	0		×1	±20%
Brown 棕	1		×10	—
Red 红	2		×100	—
Orange 橙	3		×1000	—
Yellow 黄	4		—	—
Green 绿	5		—	—
Blue 蓝	6		—	—
Violet 紫	7		—	—
Gray 灰	8		—	—
White 白	9		—	—
Gold 金	—		×0.1	±5%
Silver 银	—		×0.01	±10%

■ YAL0307 Series

Part Number	L(uH)	Q Min	L.Q Test Freq. (MHz)	SRF Min (MHz)	DCR Max.(Ω)	Rated Current(mA)	Color code			
							1st	2nd	3rd	4th
YAL0307-R10□	0.10	40	25.2	480	0.060	1400	Bn	Bk	S	Bk
YAL0307-R12□	0.12	40	25.2	450	0.060	1350	Bn	R	S	Bk
YAL0307-R15□	0.15	40	25.2	420	0.070	1270	Bn	Gn	S	Bk
YAL0307-R18□	0.18	40	25.2	400	0.070	1200	Bn	Gy	S	Bk
YAL0307-R22□	0.22	40	25.2	380	0.080	1150	R	R	S	Bk
YAL0307-R27□	0.27	40	25.2	360	0.085	1110	R	V	S	Bk
YAL0307-R33□	0.33	40	25.2	350	0.095	1110	O	O	S	Bk
YAL0307-R39□	0.39	40	25.2	320	0.100	1000	O	W	S	Bk
YAL0307-R47□	0.47	40	25.2	300	0.110	1000	Y	V	S	Bk
YAL0307-R56□	0.56	40	25.2	280	0.120	950	Gn	Be	S	Bk
YAL0307-R68□	0.68	40	25.2	250	0.130	900	Be	Gy	S	Bk
YAL0307-R82□	0.82	40	25.2	200	0.140	900	Gy	R	S	Bk
YAL0307-1R0□	1.00.	40	25.2	180	0.150	815	Bn	Bk	Gd	S
YAL0307-1R2□	1.20	40	7.96	165	0.180	740	Bn	R	Gd	S
YAL0307-1R5□	1.50	50	7.96	150	0.200	700	Bn	Gn	Gd	S
YAL0307-1R8□	1.80	70	7.96	125	0.230	655	Bn	Gy	Gd	S
YAL0307-2R2□	2.20	50	7.96	110	0.250	630	R	R	Gd	S
YAL0307-2R7□	2.70	60	7.96	95	0.280	595	R	V	Gd	S
YAL0307-3R3□	3.30	60	7.96	75	0.300	575	O	O	Gd	S
YAL0307-3R9□	3.90	60	7.96	65	0.320	555	O	W	Gd	S
YAL0307-4R7□	4.70	50	7.96	50	0.350	530	Y	V	Gd	S
YAL0307-5R6□	5.60	50	7.96	40	0.400	500	Gn	Be	Gd	S

■ YAL0307 Series

Part Number	L(uH)	Q Min	L.Q Test Freq. (MHz)	SRF Min (MHz)	DCR Max.(Ω)	Rated Current(mA)	Color code			
							1st	2nd	3rd	4th
YAL0307-6R8□	6.80	50	7.96	30	0.450	470	Be	Gy	Gd	S
YAL0307-8R2□	8.20	50	7.96	28	0.550	425	Gy	R	Gd	S
YAL0307-100□	10.0	50	7.96	22	0.720	370	Bn	Bk	Bk	S
YAL0307-120□	12.0	50	2.52	20	0.800	350	Bn	R	Bk	S
YAL0307-150□	15.0	50	2.52	16	0.930	335	Bn	Gn	Bk	S
YAL0307-180□	18.0	50	2.52	15	1.000	315	Bn	Gy	Bk	S
YAL0307-220□	22.0	60	2.52	13	1.200	285	R	R	Bk	S
YAL0307-270□	27.0	60	2.52	11	1.800	270	R	V	Bk	S
YAL0307-330□	33.0	50	2.52	10	2.100	255	O	O	Bk	S
YAL0307-390□	39.0	50	2.52	9.5	2.300	240	O	W	Bk	S
YAL0307-470□	47.0	60	2.52	8.5	2.600	205	Y	V	Bk	S
YAL0307-560□	56.0	60	2.52	7.5	2.900	195	Gn	Be	Bk	S
YAL0307-680□	68.0	60	2.52	6.5	3.300	185	Be	Gy	Bk	S
YAL0307-820□	82.0	55	2.52	6.0	3.800	175	Gy	R	Bk	S
YAL0307-101□	100	60	2.52	5.5	4.200	165	Bn	Bk	Bn	S
YAL0307-121□	120	75	0.796	5.4	4.700	160	Bn	R	Bn	S
YAL0307-151□	150	75	0.796	4.75	5.400	150	Bn	Gn	Bn	S
YAL0307-181□	180	75	0.796	4.35	6.000	140	Bn	Gy	Bn	S
YAL0307-221□	220	75	0.796	4.00	7.000	130	R	R	Bn	S
YAL0307-271□	270	70	0.796	3.70	7.700	120	R	V	Bn	S
YAL0307-331□	330	70	0.796	3.40	9.500	100	O	O	Bn	S
YAL0307-391□	390	70	0.796	2.80	10.50	95	O	W	Bn	S

■ YAL0307 Series

Part Number	L(uH)	Q Min	L.Q Test Freq. (MHz)	SRF Min (MHz)	DCR Max.(Ω)	Rated Current(mA)	Color code			
							1st	2nd	3rd	4th
YAL0307-471□	470	70	0.796	2.55	12.50	90	Y	V	Bn	S
YAL0307-561□	560	70	0.796	2.35	14.50	85	Gn	Be	Bn	S
YAL0307-681□	680	70	0.796	2.00	18.00	75	Be	Gy	Bn	S
YAL0307-821□	820	60	0.796	1.60	23.70	65	Gy	R	Bn	S
YAL0307-102□	1000	60	0.796	1.20	30.00	60	Bn	Bk	R	S

- ※ 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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