



Color ring inductors

PZAL0307 Series

Coding Guidelines:

PZAL0307 - 221K -T

1 2 3 4 5

- 1.Product Code
- 2.Core Dimensions
- 3.Inductance Code
- 4.Tolerance Code
- 5.Packing:T:Tape.

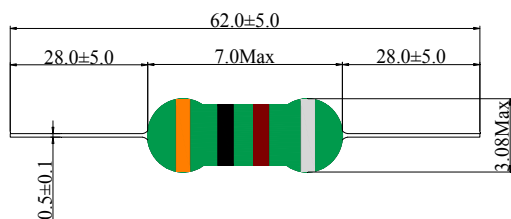
Features:

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.
Coating epoxy resin that ensure the humidity resistance to be long life.
Low Cost.

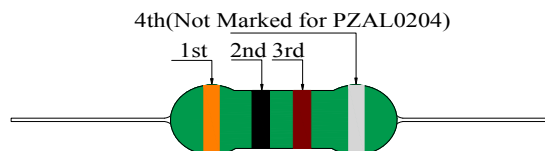
Applications:

Electronics products.
Communications equipments.
Computer Devices.
TV, VCR.
Battery charger.

Dimensions:(mm)



Color ring 1



Color & Meaning:

COLOR	Nominal Inductance(uH)			
	First Figure	Second Figure	Magnification/*	Tolerance
BLACK(Bk)	0		1	20%
BROWN(Bn)	1		10	-
RED(R)	2		100	-
ORANGE(O)	3		1000	-
YELLOW(Y)	4		-	-
GREEN(Gn)	5		-	-
BLUE(Bu)	6		-	-
VIOLET(V)	7		-	-
GRAY(Gy)	8		-	-
WHITE(W)	9		-	-
GOLD(Gd)	-		-	5%
SILVER(S)	-		-	10%



Color ring inductors

PZAL0307 Series

Specifications list:

Part No.	Inductance (μH)	Test frequency (MHz)	Q (min)	S.R.F. (MHz)min	D. C. Resistance (Ω)max	IDC (mA)max	Color Code			
							1st	2nd	3rd	4th
PZAL0307-R10M	0.1	25.2	45	480	0.06	1400	Bn	Bk	S	Bk
PZAL0307-R12M	0.12	25.2	45	450	0.06	1350	Bn	R	S	Bk
PZAL0307-R15M	0.15	25.2	45	420	0.07	1270	Bn	Gn	S	Bk
PZAL0307-R18M	0.18	25.2	45	400	0.07	1200	Bn	Gy	S	Bk
PZAL0307-R22M	0.22	25.2	45	380	0.08	1150	R	R	S	Bk
PZAL0307-R27M	0.27	25.2	45	360	0.09	1100	R	V	S	Bk
PZAL0307-R33M	0.33	25.2	45	320	0.1	1100	O	O	S	Bk
PZAL0307-R39M	0.39	25.2	45	310	0.12	1000	O	W	S	Bk
PZAL0307-R47M	0.47	25.2	45	300	0.15	1000	Y	V	S	Bk
PZAL0307-R56M	0.56	25.2	45	280	0.18	950	Gn	Bu	S	Bk
PZAL0307-R68M	0.68	25.2	45	240	0.2	900	Bu	Gy	S	Bk
PZAL0307-R82M	0.82	25.2	45	200	0.22	900	Gy	R	S	Bk
PZAL0307-1R0K	1	25.2	45	180	0.25	815	Bn	Bk	Gd	S
PZAL0307-1R2K	1.2	7.96	45	160	0.28	740	Bn	R	Gd	S
PZAL0307-1R5K	1.5	7.96	45	140	0.3	700	Bn	Gn	Gd	S
PZAL0307-1R8K	1.8	7.96	45	120	0.35	655	Bn	Gy	Gd	S
PZAL0307-2R2K	2.2	7.96	45	110	0.4	630	R	R	Gd	S
PZAL0307-2R7K	2.7	7.96	45	85	0.45	595	R	V	Gd	S
PZAL0307-3R3K	3.3	7.96	45	74	0.5	575	O	O	Gd	S
PZAL0307-3R9K	3.9	7.96	45	62	0.55	555	O	W	Gd	S
PZAL0307-4R7K	4.7	7.96	45	48	0.6	530	Y	V	Gd	S
PZAL0307-5R6K	5.6	7.96	45	35	0.65	500	Gn	Bu	Gd	S
PZAL0307-6R8K	6.8	7.96	45	28	0.7	470	Bu	Gy	Gd	S
PZAL0307-8R2K	8.2	7.96	45	20	0.8	425	Gy	R	Gd	S
PZAL0307-100K	10	7.96	45	18	0.85	370	Bn	Bk	Bk	S
PZAL0307-120K	12	2.52	45	16	0.9	350	Bn	R	Bk	S
PZAL0307-150K	15	2.52	45	14	1	335	Bn	Gn	Bk	S
PZAL0307-180K	18	2.52	45	12	1.2	315	Bn	Gy	Bk	S
PZAL0307-220K	22	2.52	45	10	1.35	285	R	R	Bk	S
PZAL0307-270K	27	2.52	45	9	1.8	270	R	V	Bk	S
PZAL0307-330K	33	2.52	45	8	2.1	255	O	O	Bk	S
PZAL0307-390K	39	2.52	45	7.5	2.3	240	O	W	Bk	S
PZAL0307-470K	47	2.52	50	7	2.6	205	Y	V	Bk	S
PZAL0307-560K	56	2.52	50	6.5	2.9	195	Gn	Bu	Bk	S
PZAL0307-680K	68	2.52	50	6	3.2	185	Bu	Gy	Bk	S
PZAL0307-820K	82	2.52	50	5.5	3.8	175	Gy	R	Bk	S
PZAL0307-101K	100	2.52	50	5	4.2	165	Bn	Bk	Bn	S
PZAL0307-271K	120	0.796	50	4.8	4.5	160	Bn	R	Bn	S
PZAL0307-331K	150	0.796	50	4.5	5	150	Bn	Gn	Bn	S
PZAL0307-391K	180	0.796	50	4	6	140	Bn	Gy	Bn	S



Color ring inductors

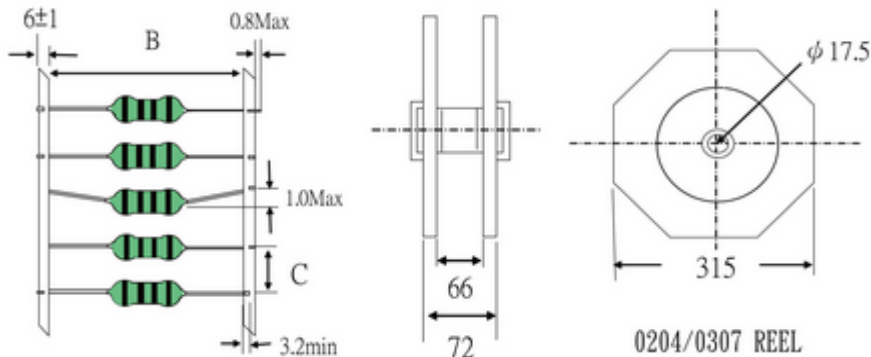
PZAL0307 Series

Specifications list: 二

Part No.	Inductance (μH)	Test frequency (MHz)	Q (min)	S.R.F. (MHz)min	D. C. Resistance (Ω)max	IDC (mA)max	Color Code			
							1st	2nd	3rd	4TH
PZAL0307-221K	220	0.796	50	3.5	7	130	R	R	Bn	S
PZAL0307-271K	270	0.796	50	3	7.5	120	R	V	Bn	S
PZAL0307-331K	330	0.796	50	2.8	8	100	O	O	Bn	S
PZAL0307-391K	390	0.796	50	2.6	10	95	O	W	Bn	S
PZAL0307-471K	470	0.796	50	2.4	13	90	Y	V	Bn	S
PZAL0307-561K	560	0.796	50	2	15	85	Gn	Bu	Bn	S
PZAL0307-681K	680	0.796	50	1.8	16	75	Bu	Gy	Bn	S
PZAL0307-821K	820	0.796	50	1.6	23	65	Gy	R	Bn	S
PZAL0307-102K	1000	0.796	50	1.4	26	60	Bn	Bk	R	S

Packaging:

Reel Dimensions:



Dimensions	PZAL0307 Data
B	52±1.0
C	5.0±0.5

Reel /Quantity: (Ref)

Packaging	Quantity:
Quantity/Reel	5,000PCS
Quantity/Carton	25,000PCS
GW/CTN(Approx.)	11.0Kg
Carton Size(mm)	330*330*460

Remarks:

If special specifications, please contact us to confirm!



Color ring inductors

PZAL0410 Series

Inductance Range:0.1μH~1000μH.

Temp. rise:20°C max,Ambient temp. :60°C max.

Operating temp. :-20°C~+80°C.

Terminal tensile strength:1.0kg min.

Terminal bending strength:0.3kg min.

Dielectric withstanding voltage:250Vrms.

Rated current:base on temp rise.

Coding Guidelines:

PZAL0410 - 221K -T

1 2 3 4 5

- 1.Product Code
- 2.Core Dimensions
- 3.Inductance Code
- 4.Tolerance Code
- 5.Packing:T:Tape.

Features:

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.

Coating epoxy resin that ensure the humidity resistance to be long life.

Low Cost.

Applications:

Electronics products.

Communications

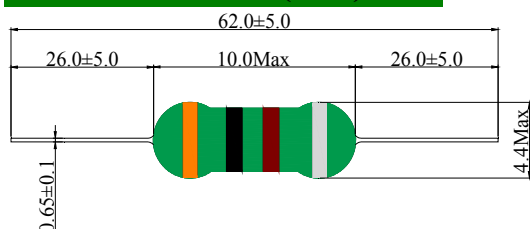
equipments.

Computer Devices.

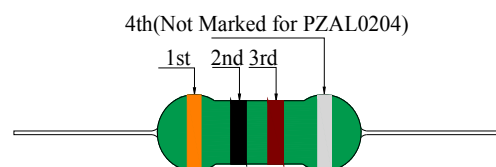
TV, VCR.

Battery charger.

Dimensions:(mm)



Color ring



Color & Meaning:

COLOR	Nominal Inductance(uH)			
	First Figure	Second Figure	Magnification/*	Tolerance
BLACK(Bk)	0		1	20%
BROWN(Bn)	1		10	-
RED(R)	2		100	-
ORANGE(O)	3		1000	-
YELLOW(Y)	4		-	-
GREEN(Gn)	5		-	-
BLUE(Bu)	6		-	-
VIOLET(V)	7		-	-
GRAY(Gy)	8		-	-
WHITE(W)	9		-	-
GOLD(Gd)	-		-	5%
SILVER(S)	-		-	10%



Color ring inductors

PZAL0410 Series

Specifications list: —

Part No.	Inductance (μH)	Test frequency (MHz)	Q (min)	S.R.F. (MHz)min	D. C. Resistance (Ω)max	IDC (mA)max	Color Code			
							1st	2nd	3rd	4th
PZAL0410-R10M	0.1	25.2	50	480	0.06	1700	Bn	Bk	S	Bk
PZAL0410-R12M	0.12	25.2	50	450	0.06	1640	Bn	R	S	Bk
PZAL0410-R15M	0.15	25.2	50	420	0.07	1560	Bn	Gn	S	Bk
PZAL0410-R18M	0.18	25.2	50	400	0.07	1480	Bn	Gy	S	Bk
PZAL0410-R22M	0.22	25.2	50	380	0.08	1400	R	R	S	Bk
PZAL0410-R27M	0.27	25.2	50	340	0.09	1320	R	V	S	Bk
PZAL0410-R33M	0.33	25.2	50	300	0.1	1280	O	O	S	Bk
PZAL0410-R39M	0.39	25.2	50	280	0.12	1200	O	W	S	Bk
PZAL0410-R47M	0.47	25.2	50	250	0.13	1150	Y	V	S	Bk
PZAL0410-R56M	0.56	25.2	50	230	0.14	1100	Gn	Bu	S	Bk
PZAL0410-R68M	0.68	25.2	50	210	0.15	1030	Bu	Gy	S	Bk
PZAL0410-R82M	0.82	25.2	50	172	0.16	980	Gy	R	S	Bk
PZAL0410-1R0K	1.0	25.2	50	157	0.17	920	Bn	Bk	Gd	S
PZAL0410-1R2K	1.2	7.96	50	144	0.18	880	Bn	R	Gd	S
PZAL0410-1R5K	1.5	7.96	50	131	0.2	830	Bn	Gn	Gd	S
PZAL0410-1R8K	1.8	7.96	50	121	0.22	790	Bn	Gy	Gd	S
PZAL0410-2R2K	2.2	7.96	50	110	0.24	750	R	R	Gd	S
PZAL0410-2R7K	2.7	7.96	60	100	0.25	720	R	V	Gd	S
PZAL0410-3R3K	3.3	7.96	60	94	0.3	670	O	O	Gd	S
PZAL0410-3R9K	3.9	7.96	60	86	0.35	640	O	W	Gd	S
PZAL0410-4R7K	4.7	7.96	70	80	0.4	650	Y	V	Gd	S
PZAL0410-5R6K	5.6	7.96	70	74	0.45	590	Gn	Bu	Gd	S
PZAL0410-6R8K	6.8	7.96	70	68	0.5	550	Bu	Gy	Gd	S
PZAL0410-8R2K	8.2	7.96	80	53	0.6	530	Gy	R	Gd	S
PZAL0410-100K	10	7.96	80	40	0.65	500	Bn	Bk	Bk	S
PZAL0410-120K	12	2.52	70	34	0.7	480	Bn	R	Bk	S
PZAL0410-150K	15	2.52	70	20	0.75	460	Bn	Gn	Bk	S
PZAL0410-180K	18	2.52	60	14	0.8	430	Bn	Gy	Bk	S
PZAL0410-220K	22	2.52	60	9.9	0.9	410	R	R	Bk	S
PZAL0410-270K	27	2.52	50	7.6	1	390	R	V	Bk	S
PZAL0410-330K	33	2.52	50	6.5	1.1	370	O	O	Bk	S
PZAL0410-390K	39	2.52	50	6.5	1.2	350	O	W	Bk	S
PZAL0410-470K	47	2.52	45	6.3	1.3	340	Y	V	Bk	S
PZAL0410-560K	56	2.52	45	6.2	1.5	320	Gn	Bu	Bk	S
PZAL0410-680K	68	2.52	40	5.7	1.8	305	Bu	Gy	Bk	S
PZAL0410-820K	82	2.52	35	5.3	2	290	Gy	R	Bk	S
PZAL0410-101K	100	2.52	30	4.8	2.5	275	Bn	Bk	Bn	S
PZAL0410-121K	120	0.796	30	3.8	3	185	Bn	R	Bn	S
PZAL0410-151K	150	0.796	60	3.5	4	175	Bn	Gn	Bn	S
PZAL0410-181K	180	0.796	60	3	4.5	165	Bn	Gy	Bn	S



Color ring inductors

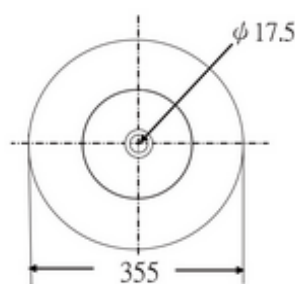
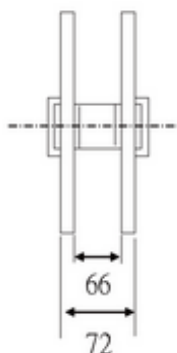
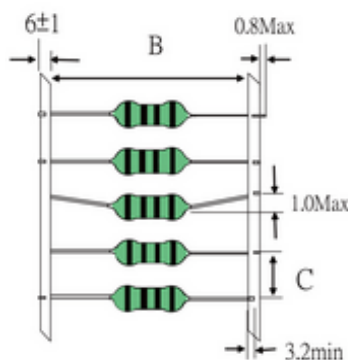
PZAL0410 Series

Specifications list: 二

Part No.	Inductance (μ H)	Test frequency (MHz)	Q (min)	S.R.F. (MHz)min	D. C. Resistance (Ω)max	IDC (mA)max	Color Code			
							1st	2nd	3rd	4TH
PZAL0410-221K	220	0.796	60	2.8	5	155	R	R	Bn	S
PZAL0410-271K	270	0.796	60	2.6	6	145	R	V	Bn	S
PZAL0410-331K	330	0.796	60	2.4	6.5	137	O	O	Bn	S
PZAL0410-391K	390	0.796	60	2	7.5	133	O	W	Bn	S
PZAL0410-471K	470	0.796	50	1.8	8.5	126	Y	V	Bn	S
PZAL0410-561K	560	0.796	50	1.6	9.5	120	Gn	Bu	Bn	S
PZAL0410-681K	680	0.796	45	1.6	12	113	Bu	Gy	Bn	S
PZAL0410-821K	820	0.796	45	1.4	14	105	Gy	R	Bn	S
PZAL0410-102K	1000	0.796	40	1.2	20	85	Bn	Bk	R	S

Packaging:

Reel Dimensions:



0410/0510 REEL

Dimensions	PZAL0410 Data
B	52±1.0
C	5.0±0.5

Reel /Quantity: (Ref)

Packaging	Quantity:
Quantity/Reel	5,000PCS
Quantity/Carton	25,000PCS
GW/CTN(Approx.)	16.0Kg
Carton Size(mm)	380*380*460

Remarks:

If special specifications, please contact us to confirm!



Color ring inductors

PZAL0510 Series

Coding Guidelines:

PZAL0510 - 221K -T

1 2 3 4 5

- 1.Product Code
- 2.Core Dimensions
- 3.Inductance Code
- 4.Tolerance Code
- 5.Packing:T:Tape.

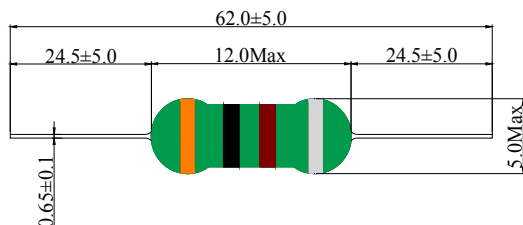
Features:

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.
Coating epoxy resin that ensure the humidity resistance to be long life.
Low Cost.

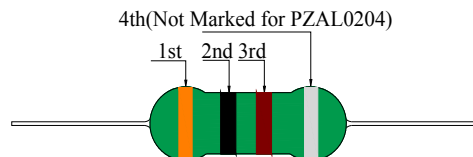
Applications:

Electronics products.
Communications equipments.
Computer Devices.
TV, VCR.
Battery charger.

Dimensions:(mm)



Color ring marking:



Color & Meaning:

COLOR	Nominal Inductance(uH)			
	First Figure	Second Figure	Magnification/*	Tolerance
BLACK(Bk)	0		1	20%
BROWN(Bn)	1		10	-
RED(R)	2		100	-
ORANGE(O)	3		1000	-
YELLOW(Y)	4		-	-
GREEN(Gn)	5		-	-
BLUE(Bu)	6		-	-
VIOLET(V)	7		-	-
GRAY(Gy)	8		-	-
WHITE(W)	9		-	-
GOLD(Gd)	-		-	5%
SILVER(S)	-		-	10%



Color ring inductors

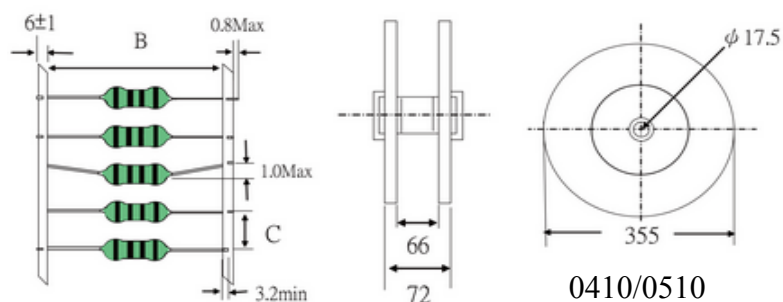
PZAL0510 Series

Specifications list: —

Part No.	Inductance (μH)	Test frequency (MHz)	Q (min)	S.R.F. (MHz)min	D. C. Resistance (Ω)max	IDC (mA)max	Color Code			
							1st	2nd	3rd	4th
PZAL0512-122K	1.2	252	80	1.3	9	110	Bn	R	R	S
PZAL0512-152K	1.5	252	80	1.2	10	100	Bn	Gn	R	S
PZAL0512-182K	1.8	252	80	1.2	11	90	Bn	Gy	R	S
PZAL0512-222K	2.2	252	80	1.1	14	80	R	R	R	S
PZAL0512-272K	2.7	252	80	0.85	18	75	R	V	R	S
PZAL0512-332K	3.3	252	80	0.74	22	65	O	O	R	S
PZAL0512-392K	3.9	252	80	0.7	26	60	O	W	R	S
PZAL0512-472K	4.7	252	80	0.66	32	55	Y	V	R	S
PZAL0512-562K	5.6	252	70	0.64	34	50	Gn	Bu	R	S
PZAL0512-682K	6.8	252	70	0.58	45	45	Bu	Gy	R	S
PZAL0512-822K	8.2	252	50	0.5	60	40	Gy	R	R	S
PZAL0512-103K	10	79.6	50	0.48	70	38	Bn	Bk	O	S
PZAL0512-123K	12	79.6	50	0.46	82	35	Bn	R	O	S
PZAL0512-153K	15	79.6	50	0.4	89	32	Bn	Gn	O	S
PZAL0512-183K	18	79.6	40	0.37	140	28	Bn	Gy	O	S
PZAL0512-223K	22	79.6	40	0.33	170	25	R	R	O	S
PZAL0512-253K	25	79.6	40	0.28	185	24	R	Gn	O	S
PZAL0512-273K	27	79.6	40	0.26	210	23	R	V	O	S
PZAL0512-303K	30	79.6	40	0.25	240	22	O	Bk	O	S
PZAL0512-333K	33	79.6	40	0.24	250	20	O	O	O	S

Packaging:

Reel Dimensions:



Dimensions	PZAL0510 Data
B	52±1.0
C	5.0±0.5

Reel /Quantity: (Ref)

Packaging	Quantity:
Quantity/Reel	3000PCS
Quantity/Carton	15,000PCS
GW/CTN(Approx.)	15.0Kg
Carton Size(mm)	380*380*460

Remarks:

If special specifications, please contact us to confirm!