



### 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.

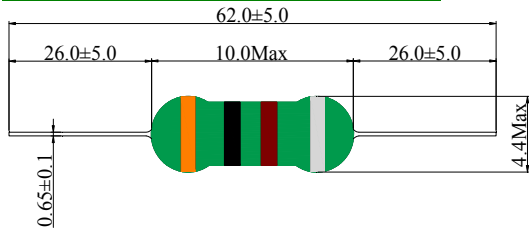
#### Features:

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.

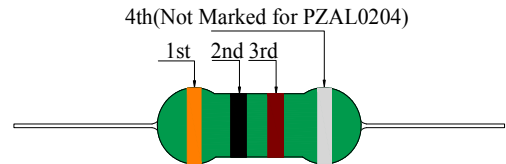
#### Applications:

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%



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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



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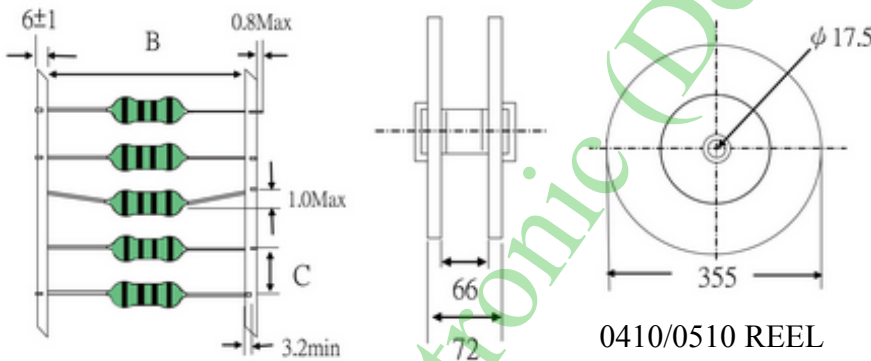
PZAL0410 Series

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
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!