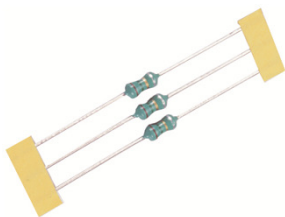


Color ring Power Inductors -TAL Series



欣腾辉电子
XINTENGHUI ELECTRONICS

TAL Series



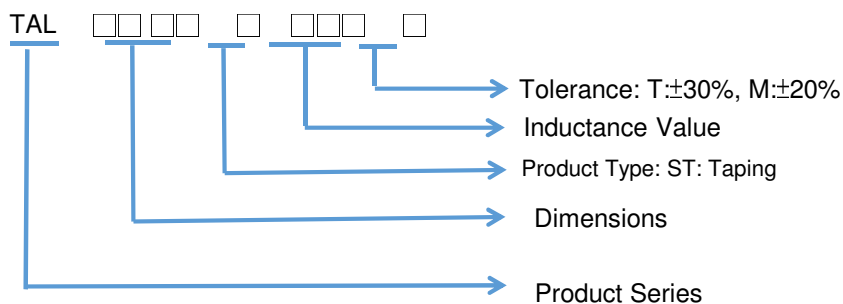
Description:

- RoHS, Halogen Free and REACH Compliance
- Conformal coated inductor
- Treated with epoxy resin coating makes it high reliability

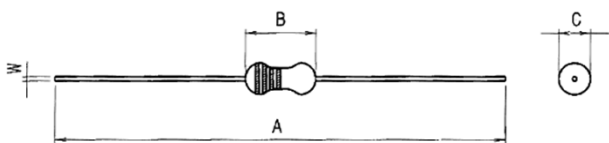
Applications:

- Televisions, personal computers.
- Radios, telephones.
- Others various electronic products.

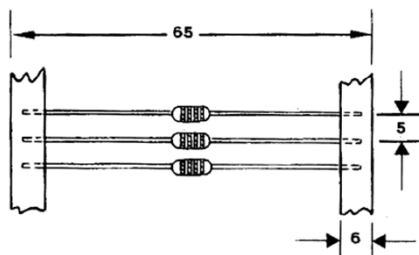
Product Identification



Dimensions-mm



Recommended Pad Layout



Dimensions-mm

TYPE	A	B	C	W(φ)
TAL0204	48max	4.0max	2.3max	0.45

Color ring Power Inductors -TAL Series

Electrical Characteristics

Part No.	Inductance (μ H)	Q MIN	L.Q Test Freq. (MHZ)	SRF(MHZ) TYP	RDC(Ω) MAX	IDC (mA)	Tolerance (\pm %)	COLOR CODE		
								1st	2nd	3rd
TAL0204STR10M	0.10	35	25.2	300	0.18	700	20	Brown	Black	Silver
TAL0204STR12M	0.12	35	25.2	300	0.20	660	20	Brown	Red	Silver
TAL0204STR15M	0.15	35	25.2	300	0.22	620	20	Brown	Green	Silver
TAL0204STR18M	0.18	35	25.2	300	0.24	600	20	Brown	Gray	Silver
TAL0204STR22M	0.22	35	25.2	150	0.40	400	20	Red	Red	Silver
TAL0204STR27M	0.27	35	25.2	150	0.43	380	20	Red	Violet	Silver
TAL0204STR33M	0.33	35	25.2	150	0.48	370	20	Orange	Orange	Silver
TAL0204STR39M	0.39	35	25.2	150	0.51	350	20	Orange	White	Silver
TAL0204STR47M	0.47	35	25.2	150	0.56	330	20	Yellow	Violet	Silver
TAL0204STR56M	0.56	35	25.2	150	0.61	320	20	Green	Blue	Silver
TAL0204STR68M	0.68	35	25.2	150	0.67	310	20	Blue	Gray	Silver
TAL0204STR82M	0.82	35	25.2	150	0.74	290	20	Gray	Red	Silver
TAL0204ST1R0M	1.00	35	25.2	150	0.80	270	20	Brown	Black	Gold
TAL0204ST1R2M	1.20	40	7.96	110	0.90	260	20	Brown	Red	Gold
TAL0204ST1R5M	1.50	40	7.96	80	1.00	250	20	Brown	Green	Gold
TAL0204ST1R8M	1.80	40	7.96	60	1.10	240	20	Brown	Gray	Gold
TAL0204ST2R2M	2.20	40	7.96	45	1.20	230	20	Red	Red	Gold
TAL0204ST2R7M	2.70	40	7.96	40	1.30	220	20	Red	Violet	Gold
TAL0204ST3R3K	3.30	40	7.96	38	1.40	210	10	Orange	Orange	Gold
TAL0204ST3R9K	3.90	40	7.96	35	1.50	200	10	Orange	White	Gold
TAL0204ST4R7K	4.70	40	7.96	32	1.70	190	10	Yellow	Violet	Gold
TAL0204ST5R6K	5.6	40	7.96	30	1.90	180	10	Green	Blue	Gold
TAL0204ST6R8K	6.8	40	7.96	28	2.00	175	10	Blue	Gray	Gold
TAL0204ST8R2K	8.2	40	7.96	26	2.20	165	10	Gray	Red	Gold
TAL0204ST100K	10	40	7.96	24	2.50	1605	10	Brown	Black	Black
TAL0204ST120K	12	40	25.2	22	2.50	150	10	Brown	Red	Black
TAL0204ST150K	15	40	25.2	20	2.80	145	10	Brown	Green	Black
TAL0204ST180K	18	40	25.2	18	3.10	140	10	Brown	Gray	Black
TAL0204ST220K	22	40	25.2	17	3.40	100	10	Red	Red	Black
TAL0204ST270K	27	40	25.2	16	4.30	80	10	Red	Violet	Black
TAL0204ST330K	33	40	25.2	14	4.70	75	10	Orange	Orange	Black
TAL0204ST390K	39	40	25.2	13	5.20	74	10	Orange	White	Black
TAL0204ST470K	47	40	25.2	12	5.80	70	10	Yellow	Violet	Black
TAL0204ST560K	56	40	25.2	11	6.40	68	10	Green	Blue	Black
TAL0204ST680K	68	40	25.2	10	7.20	64	10	Blue	Gray	Black

TAL0204ST820K	82	40	25.2	9.5	11.00	46	10	Gray	Red	Black
TAL0204ST101K	100	40	25.2	9.0	12.00	44	10	Brown	Black	Brown
TAL0204ST121K	120	40	0.796	8.0	13.00	42	10	Brown	Red	Brown
TAL0204ST151K	150	40	0.796	6.0	16.00	39	10	Brown	Green	Brown
TAL0204ST181K	180	40	0.796	5.5	18.00	37	10	Brown	Gray	Brown
TAL0204ST221K	220	40	0.796	5.0	20.00	35	10	Red	Red	Brown
TAL0204ST271K	270	40	0.796	4.6	25.00	28	10	Red	Violet	Brown
TAL0204ST331K	330	40	0.796	4.2	30.00	26	10	Orange	Orange	Brown
TAL0204ST391K	390	40	0.796	3.8	34.00	25	10	Orange	White	Brown
TAL0204ST471K	470	40	0.796	3.5	38.00	24	10	Yellow	Violet	Brown

Notes:

1.tolerance $K=\pm 10\%$ / $M=\pm 20\%$

2.All test data is referenced to 25°C ambient.

3.Operating temperature range $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (Including self - temperature rise)

4.Isat for Inductance drop 10% from its value without current.

5. Measure Equipment :

L : Agilent/ E4980 or HP4284A (under 1MHz), HP4285A (over 1MHz)

RDC : Chroma 16502

Idc : HP4284+42841A or WK3260B+WK3265B

6.Test Condition:

Temperature: $26\pm 3^{\circ}\text{C}$

Humidity: <70% RH