

TAL Series (Rev. 1.0)



Features

- * RoHS compliant
- * To be compact, small and light-weight, wide range of inductance
- * To be high Q and self-resonant frequencies
- * Tapping type that is convenient for automatic insertion

Product Identification

TAL
1
0307
2
-
1R0
3
K
4

1. Product Code
2. Size Code
3. Inductance: 1.0uH
4. Tolerance: K= ±10%; M= ±20%

Dimensions : [mm]



Size Code	A(max.)	B(max.)	C(±0.10)	Type
0204	Φ2.8	4.8	Φ0.45	A
0307	Φ3.0/Φ3.2	7.0	Φ0.50	B
0410	Φ4.0	10.5	Φ0.60	B
0412	Φ4.5/Φ5.0	12.7	Φ0.65	B
0510	Φ5.0	11.0	Φ0.60	B
0512	Φ5.0	12.0	Φ0.60	B
0514	Φ5.0/Φ5.5	14.0/15.0	Φ0.65	B

Color Code	Nominal Inductance	Multiplier	Tolerance
Black	0	x 1	±20%
Brown	1uH	x 10	-
Red	2uH	x 100	-
Orange	3uH	x 1000	-
Yellow	4uH	-	-
Green	5uH	-	-
Blue	6uH	-	-
Violet	7uH	-	-
Gray	8uH	-	-
White	9uH	-	-
Gold	-	x 0.1	±5%
Silver	-	x 0.01	±10%

Applications

- * TV, radios and radio transceivers, telephones.
- * Others various electronic products.

Operating & Storage Condition

- * Operating Temp :Stand Type:-25 to +85°C
- * Storage Temp : Stand Type -25 to +85°C
- * Storage Life Time :12 Months @25°C,RH 65%

Test Equipment

- * HP4284A,HP42841A-L,IDC,Q,RDC
- * HP8753D NETWORK ANALYZER-SRF
- * HM9461, HIOKI3540

Standard Atmospheric Conditions

- * Ambient Temp : 20+/-15°C
- * Relative Humidity : 65+/-20%

* Test condition: @1KHz / 1.0V

* IDC : This indicates the value of current when the inductance is 10% lower than it's initial value at D.C. superimposition or D.C.current when at ΔT=40°C,whichever is lower. (Ta=25°C)



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Electrical Characteristics

Part No.	Inductance (μ H)	Q Value (min.)	Frequency (MHz)	DCR (Ω) max.	SRF (MHz) min.	IDC (mA) max.
TAL0204-R22M	0.22	35	25.2	0.40	150.0	400
TAL0204-R27M	0.27	35	25.2	0.43	150.0	380
TAL0204-R33M	0.33	35	25.2	0.48	150.0	370
TAL0204-R39M	0.39	35	25.2	0.51	150.0	350
TAL0204-R47K/M	0.47	35	25.2	0.56	150.0	330
TAL0204-R56K/M	0.56	35	25.2	0.61	150.0	320
TAL0204-R68K/M	0.68	35	25.2	0.67	150.0	310
TAL0204-R82K/M	0.82	35	25.2	0.74	150.0	290
TAL0204-1R0K	1.00	35	25.2	0.80	150.0	270
TAL0204-1R2K	1.20	40	7.96	0.90	110.0	260
TAL0204-1R5K	1.50	40	7.96	1.00	80.0	250
TAL0204-1R8K	1.80	40	7.96	1.10	60.0	240
TAL0204-2R2K	2.20	40	7.96	1.20	45.0	230
TAL0204-2R7K	2.70	40	7.96	1.30	40.0	220
TAL0204-3R3K	3.30	40	7.96	1.40	38.0	210
TAL0204-3R9K	3.90	40	7.96	1.50	36.0	200
TAL0204-4R7K	4.70	40	7.96	1.70	32.0	190
TAL0204-5R6K	5.60	40	7.96	1.90	30.0	180
TAL0204-6R8K	6.80	40	7.96	2.00	28.0	175
TAL0204-8R2K	8.20	40	7.96	2.20	26.0	165
TAL0204-100K	10.00	40	7.96	2.50	24.0	160
TAL0204-120K	12.00	40	2.52	2.50	22.0	150
TAL0204-150K	15.00	40	2.52	2.80	20.0	145
TAL0204-180K	18.00	40	2.52	3.10	16.7	140
TAL0204-220K	22.00	40	2.52	3.40	15.0	130
TAL0204-270K	27.00	40	2.52	4.30	13.0	80
TAL0204-330K	33.00	40	2.52	4.70	12.0	76
TAL0204-390K	39.00	40	2.52	5.20	11.0	74
TAL0204-470K	47.00	40	2.52	5.80	9.0	70
TAL0204-560K	56.00	40	2.52	6.40	8.0	68
TAL0204-680K	68.00	40	2.52	7.20	7.0	64
TAL0204-820K	82.00	40	2.52	9.50	6.5	46
TAL0204-101K	100.00	40	2.52	12.00	6.0	44
TAL0204-121K	120.00	40	0.796	13.00	5.5	42
TAL0204-151K	150.00	40	0.796	16.00	5.0	39
TAL0204-181K	180.00	40	0.796	18.00	4.8	37
TAL0204-221K	220.00	40	0.796	20.00	4.5	35
TAL0204-271K	270.00	30	0.796	20.00	3.5	25
TAL0204-331K	330.00	30	0.796	20.00	3.0	25

* Isat: DC current at which the inductance drops approximate 10% from its value without current

* Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}\text{C}$) from 25°C ambient.

* Rated Current: It is either the inductance is 10% lower than its initial value in DC saturation characteristics or temperature raise becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$), whichever is lower.

* Tolerance: K= $\pm 10\%$; M= $\pm 20\%$



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Electrical Characteristics

Part No.	Inductance (uH)	Q Value (min.)	Frequency (MHz)	DCR (Ω) max.	SRF (MHz) min.	IDC (mA) max.
TAL0307-R22M	0.22	40	25.2	0.08	150.0	740
TAL0307-R27M	0.27	40	25.2	0.09	150.0	740
TAL0307-R33M	0.33	40	25.2	0.10	150.0	740
TAL0307-R39M	0.39	40	25.2	0.10	150.0	740
TAL0307-R47K/M	0.47	40	25.2	0.11	150.0	740
TAL0307-R56K/M	0.56	40	25.2	0.12	150.0	740
TAL0307-R68K/M	0.68	40	25.2	0.13	150.0	740
TAL0307-R82K/M	0.82	40	25.2	0.14	150.0	740
TAL0307-1R0K	1.00	40	25.2	0.15	150.0	740
TAL0307-1R2K	1.20	40	25.2	0.18	150.0	740
TAL0307-1R5K	1.50	40	25.2	0.20	150.0	700
TAL0307-1R8K	1.80	50	7.96	0.23	125.0	655
TAL0307-2R2K	2.20	50	7.96	0.27	110.0	630
TAL0307-2R7K	2.70	50	7.96	0.28	95.0	595
TAL0307-3R3K	3.30	50	7.96	0.30	70.0	575
TAL0307-3R9K	3.90	50	7.96	0.32	65.0	555
TAL0307-4R7K	4.70	50	7.96	0.35	36.0	530
TAL0307-5R6K	5.60	50	7.96	0.40	32.0	500
TAL0307-6R8K	6.80	50	7.96	0.48	28.0	470
TAL0307-8R2K	8.20	50	7.96	0.56	23.0	425
TAL0307-100K	10.00	50	7.96	0.75	18.0	370
TAL0307-120K	12.00	50	2.52	0.80	17.0	350
TAL0307-150K	15.00	50	2.52	0.93	16.0	335
TAL0307-180K	18.00	50	2.52	1.00	15.0	315
TAL0307-220K	22.00	50	2.52	1.20	13.0	285
TAL0307-270K	27.00	50	2.52	1.80	11.0	270
TAL0307-330K	33.00	50	2.52	2.10	10.0	255
TAL0307-390K	39.00	50	2.52	2.30	9.5	240
TAL0307-470K	47.00	50	2.52	2.60	8.5	205
TAL0307-560K	56.00	50	2.52	2.90	7.5	195
TAL0307-680K	68.00	50	2.52	3.30	6.5	185
TAL0307-820K	82.00	50	2.52	3.80	6.0	175
TAL0307-101K	100.00	50	2.52	4.20	5.5	165
TAL0307-121K	120.00	60	0.796	4.70	5.4	160
TAL0307-151K	150.00	60	0.796	5.40	4.7	150
TAL0307-181K	180.00	60	0.796	6.00	4.3	140
TAL0307-221K	220.00	60	0.796	7.00	4.0	130
TAL0307-271K	270.00	60	0.796	7.70	3.7	120
TAL0307-331K	330.00	60	0.796	11.10	3.4	100
TAL0307-391K	390.00	60	0.796	12.60	2.8	95
TAL0307-471K	470.00	60	0.796	14.00	2.5	90
TAL0307-561K	560.00	60	0.796	15.50	2.3	85
TAL0307-681K	680.00	60	0.796	25.30	2.0	75
TAL0307-821K	820.00	60	0.796	27.50	1.5	65
TAL0307-102K	1000.00	50	0.796	31.40	1.2	60
TAL0307-122K	1200.00	50	0.252	37.00	0.9	50
TAL0307-152K	1500.00	45	0.252	39.00	0.8	40

* Isat: DC current at which the inductance drops approximate 10% from its value without current

* Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}\text{C}$) from 25°C ambient.

* Rated Current: It is either the inductance is 10% lower than its initial value in DC saturation characteristics or temperature raise becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$), whichever is lower.

* Tolerance: K= $\pm 10\%$; M= $\pm 20\%$



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Electrical Characteristics

Part No.	Inductance (uH)	Q Value (min.)	Frequency (MHz)	DCR (Ω) max.	SRF (MHz) min.	IDC (mA) max.
TAL0410-R27M	0.27	45	25.2	0.09	270	980
TAL0410-R33M	0.33	45	25.2	0.10	250	980
TAL0410-R39M	0.39	45	25.2	0.12	230	980
TAL0410-R47K/M	0.47	45	25.2	0.13	220	980
TAL0410-R56K/M	0.56	45	25.2	0.14	200	980
TAL0410-R68K/M	0.68	45	25.2	0.15	190	980
TAL0410-R82K/M	0.82	45	25.2	0.16	172	980
TAL0410-1R0K	1.00	45	7.96	0.17	157	920
TAL0410-1R2K	1.20	50	7.96	0.18	144	880
TAL0410-1R5K	1.50	50	7.96	0.20	130	830
TAL0410-1R8K	1.80	55	7.96	0.22	121	790
TAL0410-2R2K	2.20	55	7.96	0.24	110	750
TAL0410-2R7K	2.70	60	7.96	0.25	100	720
TAL0410-3R3K	3.30	65	7.96	0.30	94	670
TAL0410-3R9K	3.90	65	7.96	0.35	80	640
TAL0410-4R7K	4.70	70	7.96	0.40	80	620
TAL0410-5R6K	5.60	70	7.96	0.43	74	590
TAL0410-6R8K	6.80	75	7.96	0.48	68	550
TAL0410-8R2K	8.20	80	7.96	0.52	53	530
TAL0410-100K	10.00	80	7.96	0.58	70	500
TAL0410-120K	12.00	75	2.52	0.63	34	480
TAL0410-150K	15.00	70	2.52	0.72	20	460
TAL0410-180K	18.00	70	2.52	0.77	14	430
TAL0410-220K	22.00	50	2.52	0.84	9.9	410
TAL0410-270K	27.00	50	2.52	0.94	7.6	390
TAL0410-330K	33.00	50	2.52	1.03	6.3	370
TAL0410-390K	39.00	50	2.52	1.12	6.3	350
TAL0410-470K	47.00	45	2.52	1.22	6.3	340
TAL0410-560K	56.00	40	2.52	1.34	6.2	320
TAL0410-680K	68.00	40	2.52	1.47	5.7	305
TAL0410-820K	82.00	35	2.52	1.62	5.3	290
TAL0410-101K	100.00	30	2.52	1.80	4.8	275
TAL0410-121K	120.00	70	0.796	3.00	3.8	185
TAL0410-151K	150.00	70	0.796	4.20	3.5	175
TAL0410-181K	180.00	70	0.796	4.60	3.3	165
TAL0410-221K	220.00	70	0.796	5.10	3.0	155
TAL0410-271K	270.00	65	0.796	6.00	2.8	145
TAL0410-331K	330.00	65	0.796	6.40	2.6	137
TAL0410-391K	390.00	65	0.796	7.00	2.4	133
TAL0410-471K	470.00	60	0.796	7.70	2.3	126
TAL0410-561K	560.00	60	0.796	8.50	2.1	120
TAL0410-681K	680.00	55	0.796	9.40	1.9	113
TAL0410-821K	820.00	55	0.796	12.00	1.9	105
TAL0410-102K	1000.00	50	0.796	17.40	1.4	100
TAL0410-122K	1200.00	50	0.252	20.00	1.2	90
TAL0410-152K	1500.00	30	0.252	25.00	1.0	85
TAL0410-182K	1800.00	30	0.252	30.00	0.9	80

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* Rated Current: It is either the inductance is 10% lower than its initial value in DC saturation characteristics or temperature raise becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$), whichever is lower.

* Tolerance: K= $\pm 10\%$; M= $\pm 20\%$



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Electrical Characteristics

Part No.	Inductance (uH)	Q Value (min.)	Frequency (MHz)	DCR (Ω) max.	SRF (MHz) min.	IDC (mA) max.
TAL0410-222K	2200	30	0.252	35.00	0.80	75
TAL0410-272K	2700	30	0.252	40.00	0.70	70
TAL0410-332K	3300	30	0.252	65.00	0.65	65
TAL0410-392K	3900	30	0.252	71.00	0.65	50
TAL0410-472K	4700	30	0.252	78.00	0.60	40
TAL0410-562K	5600	30	0.252	100.00	0.56	30
TAL0410-682K	6800	30	0.252	125.00	0.54	30

Part No.	Inductance (uH)	Frequency (MHz)	DCR (Ω) max.	SRF (MHz) min.	Isat (mA) max.	Irms (mA) max.
TAL0412-1R0K/M	1.00	7.96	0.018	190.00	3000	3300
TAL0412-1R2K/M	1.20	7.96	0.019	170.00	2700	3200
TAL0412-1R5K/M	1.50	7.96	0.020	160.00	2500	3100
TAL0412-1R8K/M	1.80	7.96	0.023	150.00	2100	2900
TAL0412-2R2K/M	2.20	7.96	0.031	130.00	2000	2600
TAL0412-2R7K/M	2.70	7.96	0.033	120.00	1900	2500
TAL0412-3R3K/M	3.30	7.96	0.054	110.00	1700	1900
TAL0412-3R9K/M	3.90	7.96	0.060	100.00	1500	1800
TAL0412-4R7K/M	4.70	7.96	0.068	86.00	1400	1700
TAL0412-5R6K/M	5.60	7.96	0.074	64.00	1300	1600
TAL0412-6R8K/M	6.80	7.96	0.080	44.00	1200	1600
TAL0412-8R2K/M	8.20	7.96	0.087	32.00	1100	1500
TAL0412-100K	10.00	1KHz	0.095	25.00	970	1500
TAL0412-120K	12.00	1KHz	0.110	17.00	880	1400
TAL0412-150K	15.00	1KHz	0.150	13.00	790	1200
TAL0412-180K	18.00	1KHz	0.160	10.00	710	1100
TAL0412-220K	22.00	1KHz	0.190	8.40	640	1000
TAL0412-270K	27.00	1KHz	0.220	8.00	580	950
TAL0412-330K	33.00	1KHz	0.240	7.60	530	910
TAL0412-390K	39.00	1KHz	0.260	7.10	480	880
TAL0412-470K	47.00	1KHz	0.350	6.00	430	790
TAL0412-560K	56.00	1KHz	0.470	5.80	400	650
TAL0412-680K	68.00	1KHz	0.530	4.30	370	610
TAL0412-820K	82.00	1KHz	0.600	4.10	330	580
TAL0412-101K	100.00	1KHz	0.670	3.90	300	550
TAL0412-121K	120.00	1KHz	0.900	3.60	270	470
TAL0412-151K	150.00	1KHz	1.200	3.20	250	410
TAL0412-181K	180.00	1KHz	1.400	2.80	220	380
TAL0412-221K	220.00	1KHz	1.900	2.30	200	320
TAL0412-271K	270.00	1KHz	2.100	2.10	180	310
TAL0412-331K	330.00	1KHz	2.400	1.90	170	290
TAL0412-391K	390.00	1KHz	3.000	1.70	150	260
TAL0412-471K	470.00	1KHz	3.400	1.40	140	240

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* Tolerance: K= $\pm 10\%$; M= $\pm 20\%$



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Part No.	Inductance (μ H)	Frequency (MHz)	DCR (Ω) max.	SRF (MHz) min.	Isat (mA) max.	Irms (mA) max.
TAL0412-561K	560.00	1KHz	4.7	1.30	130	210
TAL0412-681K	680.00	1KHz	6.4	1.20	110	180
TAL0412-821K	820.00	1KHz	7.1	1.10	100	170
TAL0412-102K	1000.00	1KHz	7.9	1.00	95	160
TAL0412-122K	1200.00	1KHz	9.0	0.94	87	150
TAL0412-152K	1500.00	1KHz	12.0	0.76	78	130
TAL0412-182K	1800.00	1KHz	14.0	0.72	71	120
TAL0412-222K	2200.00	1KHz	19.0	0.64	64	100
TAL0412-272K	2700.00	1KHz	25.0	0.56	58	90
TAL0412-332K	3300.00	1KHz	29.0	0.53	52	83
TAL0412-392K	3900.00	1KHz	34.0	0.48	48	77
TAL0412-472K	4700.00	1KHz	37.0	0.45	44	74
TAL0412-562K	5600.00	1KHz	50.0	0.40	40	63
TAL0412-682K	6800.00	1KHz	58.0	0.36	36	59
TAL0412-822K	8200.00	1KHz	68.0	0.29	33	54
TAL0412-103K	10000.00	1KHz	75.0	0.27	30	52

Part No.	Inductance (μ H)	Q Value (min.)	Frequency (MHz)	DCR (Ω) max.	SRF (MHz) min.	IDC (mA) max.
TAL0510-4R7K	4.7	20	7.96	0.06	50.00	900
TAL0510-100K	10.0	15	7.96	0.45	30.00	750
TAL0510-220K	22.0	30	2.52	0.65	8.00	450
TAL0510-820K	82.0	20	2.52	0.82	3.80	330
TAL0510-101K	100.0	20	2.52	0.75	3.50	300
TAL0510-121K	120.0	20	0.796	1.20	3.30	250
TAL0510-151K	150.0	20	0.796	1.80	3.20	225
TAL0510-181K	180.0	20	0.796	2.00	2.80	200
TAL0510-221K	220.0	30	0.796	2.10	2.60	180
TAL0510-271K	270.0	30	0.796	2.50	2.40	170
TAL0510-331K	330.0	30	0.796	3.00	2.20	160
TAL0510-391K	390.0	30	0.796	3.50	2.00	150
TAL0510-471K	470.0	30	0.796	4.00	1.90	140
TAL0510-561K	560.0	30	0.796	5.40	1.80	130
TAL0510-681K	680.0	40	0.796	6.00	1.50	120
TAL0510-821K	820.0	50	0.796	7.50	1.20	110
TAL0510-102K	1000.0	50	0.252	8.00	1.00	100
TAL0510-122K	1200.0	60	0.252	14.50	0.95	95
TAL0510-152K	1500.0	60	0.252	16.50	0.90	90
TAL0510-182K	1800.0	60	0.252	19.00	0.90	85
TAL0510-222K	2200.0	60	0.252	27.50	0.80	80
TAL0510-272K	2700.0	60	0.252	40.00	0.75	75
TAL0510-332K	3300.0	50	0.252	50.00	0.70	62
TAL0510-392K	3900.0	50	0.252	53.00	0.65	59
TAL0510-472K	4700.0	50	0.252	60.00	0.60	55
TAL0510-562K	5600.0	50	0.252	64.00	0.50	40
TAL0510-682K	6800.0	50	0.252	73.00	0.45	35
TAL0510-822K	8200.0	30	0.252	80.00	0.40	30

* Isat: DC current at which the inductance drops approximate 10% from its value without current

* Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}\text{C}$) from 25°C ambient.

* Rated Current: It is either the inductance is 10% lower than its initial value in DC saturation characteristics or temperature raise becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$), whichever is lower.

* Tolerance: K= $\pm 10\%$; M= $\pm 20\%$



TAL Series (Rev. 1.0)

Electrical Characteristics

Part No.	Inductance (uH)	Q Value (min.)	Frequency (MHz)	DCR (Ω) max.	SRF (MHz) min.	IDC (mA) max.
TAL0510-103K	10000	25	79.6KHz	132	0.35	25
TAL0510-123K	12000	25	79.6KHz	143	0.30	20
TAL0510-153K	15000	25	79.6KHz	166	0.25	18
TAL0510-183K	18000	25	79.6KHz	185	0.20	15
TAL0510-223K	22000	20	1KHz/79.6KHz	330	0.15	12
TAL0510-273K	27000	20	1KHz/79.6KHz	370	0.10	10
TAL0510-303K	30000	40	1KHz/79.6KHz	240	0.25	10
TAL0512-220K	22	30	2.520	0.35	8.00	550
TAL0512-101K	100	10	2.520	0.50	3.50	300
TAL0512-221K	220	10	0.796	2.10	2.60	160
TAL0512-331K	330	30	0.796	2.50	2.20	130
TAL0512-391K	390	30	0.796	2.80	2.00	125
TAL0512-471K	470	30	1KHz/0.796M	3.00	1.90	120
TAL0512-561K	560	30	0.796	4.50	1.80	115
TAL0512-681K	680	30	0.796	4.60	1.50	110
TAL0512-821K	820	30	0.796	5.00	1.20	105
TAL0512-102K	1000	50	1KHz/0.252M	5.00	1.00	100
TAL0512-122K	1200	60	0.252	14.50	0.95	90
TAL0512-152K	1500	60	0.252	16.50	0.90	85
TAL0512-182K	1800	60	0.252	19.00	0.90	80
TAL0512-222K	2200	60	1KHz/0.252M	27.50	0.80	70
TAL0512-272K	2700	60	0.252	40.00	0.75	65
TAL0512-332K	3300	50	0.252	50.00	0.70	60
TAL0512-392K	3900	50	0.252	53.00	0.65	55
TAL0512-472K	4700	50	0.252	60.00	0.60	50
TAL0512-562K	5600	50	1KHz/0.252M	64.00	0.50	45
TAL0512-682K	6800	40	0.252	73.00	0.45	40
TAL0512-822K	8200	30	0.252	80.00	0.40	30
TAL0512-103K	10000	30	79.6KHz	132.00	0.35	25

* Isat: DC current at which the inductance drops approximate 10% from its value without current

* Irms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}\text{C}$) from 25°C ambient.

* Rated Current: It is either the inductance is 10% lower than its initial value in DC saturation characteristics or temperature raise becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$), whichever is lower.

* Tolerance: K= $\pm 10\%$; M= $\pm 20\%$



AXIAL LEAD INDUCTOR

TAL Series (Rev. 1.0)

Electrical Characteristics

Part No.	Inductance (uH)	Q Value (min.)	Frequency (MHz)	DCR (Ω) max.	SRF (MHz) min.	Isat (mA) max.	Irms (mA) max.
TAL0514-1R0K/M	1.0	10	7.96	0.022	300.0	5600	3800
TAL0514-1R2K/M	1.2	10	7.96	0.024	260.0	5500	3700
TAL0514-1R5K/M	1.5	10	7.96	0.026	250.0	5000	3600
TAL0514-1R8K/M	1.8	10	7.96	0.029	240.0	4700	3100
TAL0514-2R2K/M	2.2	10	7.96	0.031	220.0	4500	2900
TAL0514-2R7K/M	2.7	10	7.96	0.034	195.0	4000	2700
TAL0514-3R3K/M	3.3	10	7.96	0.038	155.0	3400	2600
TAL0514-3R9K/M	3.9	10	7.960	0.040	115.0	3100	2500
TAL0514-4R7K/M	4.7	10	7.96	0.044	85.0	2800	2400
TAL0514-5R6K/M	5.6	10	7.96	0.048	55.0	2600	2100
TAL0514-6R8K/M	6.8	10	7.96	0.051	50.0	2400	2000
TAL0514-8R2K/M	8.2	10	7.96	0.056	38.0	2200	1950
TAL0514-100K	10.0	10	7.96	0.062	24.0	2100	1900
TAL0514-120K	12.0	10	2.52	0.076	18.0	1800	1800
TAL0514-150K	15.0	10	2.52	0.088	16.0	1700	1700
TAL0514-180K	18.0	10	2.52	0.110	15.0	1600	1600
TAL0514-220K	22.0	10	2.52	0.130	14.0	1400	1550
TAL0514-270K	27.0	10	2.52	0.140	13.0	1300	1300
TAL0514-330K	33.0	10	2.52	0.200	11.0	1200	1200
TAL0514-390K	39.0	10	2.52	0.220	10.0	1100	1000
TAL0514-430K	43.0	10	2.52	0.280	9.5	1000	950
TAL0514-470K	47.0	10	2.52	0.280	9.5	1000	950
TAL0514-560K	56.0	10	2.52	0.300	8.0	900	900
TAL0514-680K	68.0	10	2.52	0.340	7.5	800	800
TAL0514-820K	82.0	10	2.52	0.385	7.0	700	750
TAL0514-101K	100.0	10	2.52	0.480	6.5	700	700
TAL0514-121K	120.0	15	0.796	0.595	5.0	600	600
TAL0514-151K	150.0	15	0.796	0.900	4.5	550	500
TAL0514-181K	180.0	15	0.796	1.100	4.0	500	400
TAL0514-221K	220.0	15	0.796	1.250	3.8	440	390
TAL0514-271K	270.0	15	0.796	1.850	3.5	420	330
TAL0514-331K	330.0	15	0.796	2.100	3.0	380	310
TAL0514-391K	390.0	15	0.796	2.280	2.8	340	300
TAL0514-471K	470.0	15	0.796	3.220	2.5	320	280
TAL0514-561K	560.0	15	0.796	3.850	2.2	290	270
TAL0514-681K	680.0	15	0.796	4.000	2.1	260	240
TAL0514-821K	820.0	15	0.796	5.000	2.0	250	230
TAL0514-102K	1000.0	15	0.252	5.800	1.8	220	190
TAL0514-122K	1200.0	15	0.252	7.100	1.6	200	180
TAL0514-152K	1500.0	15	0.252	7.800	1.5	190	170
TAL0514-222K	2200.0	35	0.252	20.000	1.0	140	140
TAL0514-332K	3300.0	35	0.252	27.000	0.8	130	120
TAL0514-472K	4700.0	30	0.252	30.000	0.7	120	100
TAL0514-562K	5600.0	15	0.252	30.000	0.5	100	90
TAL0514-682K	6800.0	15	0.252	30.000	0.4	90	80
TAL0514-822K	8200.0	15	0.252	37.500	0.4	80	70
TAL0514-103K	10000.0	15	79.6KHz	42.000	0.4	70	60

* Isat: DC current at which the inductance drops approximate 10% from its value without current

* I rms: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}\text{C}$) from 25°C ambient.

* Rated Current: It is either the inductance is 10% lower than its initial value in DC saturation characteristics or temperature rise becomes $\Delta T=40^{\circ}\text{C}$ ($T_a=25^{\circ}\text{C}$), whichever is lower.

* Tolerance: K= $\pm 10\%$; M= $\pm 20\%$

