

**A. Electrical Specifications:**

Part Number	Inductance(μH)	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR (OHM) Max.	Rated Current (mA) Max.
1206R10M	0.10	45	25	300	0.10	1400
1206R12M	0.12	45	25	300	0.10	1400
1206R15M	0.15	45	25	300	0.10	1400
1206R18M	0.18	45	25	300	0.10	1400
1206R22M	0.22	45	25	300	0.10	1400
1206R27M	0.27	45	25	270	0.11	1320
1206R33M	0.33	45	25	250	0.12	1280
1206R39M	0.39	45	25	230	0.13	1200
1206R47M	0.47	45	25	220	0.14	1150
1206R56M	0.56	45	25	200	0.15	1100
1206R68M	0.68	45	25	190	0.16	1030
1206R82M	0.82	45	25	172	0.17	980
1206I0K	1.0	45	25	157	0.19	920
1206I2K	1.2	50	7.9	144	0.21	880
1206I5K	1.5	50	7.9	131	0.23	830
1206I8K	1.8	50	7.9	121	0.25	790
1206R2K	2.2	50	7.9	110	0.28	750
1206R7K	2.7	60	7.9	100	0.30	720
1206R3K	3.3	65	7.9	94	0.34	670
1206R9K	3.9	65	7.9	65	0.37	640
1206R7K	4.7	70	7.9	56	0.39	620
1206R6K	5.6	70	7.9	48	0.43	590
1206R8K	6.8	75	7.9	37	0.48	550
1206R2K	8.2	80	7.9	25	0.52	530
1206I0K	10	65	7.9	21	0.58	500
1206I2K	12	50	2.5	19	0.63	480
1206I5K	15	50	2.5	17	0.72	460
1206I8K	18	50	2.5	13	0.77	430
1206R2K	22	50	2.5	9.6	0.84	410
1206R7K	27	50	2.5	7.2	0.94	390
1206R3K	33	50	2.5	6.3	1.03	370
1206R9K	39	50	2.5	6.3	1.12	350
1206R7K	47	45	2.5	6.3	1.22	340
1206R6K	56	40	2.5	6.2	1.34	320
1206R8K	68	40	2.5	5.7	1.47	305
1206R2K	82	35	2.5	5.3	1.62	290
1206I0K	100	30	2.5	4.8	1.80	275
1206I2K	120	55	0.79	3.8	3.7	185
1206I5K	150	45	0.79	3.5	4.2	175
1206I8K	180	50	0.79	3.3	4.6	165
1206R2K	220	55	0.79	3.0	5.1	155
1206R7K	270	65	0.79	2.8	5.8	145
1206R3K	330	65	0.79	2.6	6.4	137
1206R9K	390	65	0.79	2.4	7.0	133
1206R7K	470	60	0.79	2.25	7.7	126
1206R6K	560	60	0.79	2.10	8.5	120
1206R8K	680	55	0.79	1.95	9.4	113
1206R2K	820	55	0.79	1.85	10.5	105
1206I0K	1000	50	0.79	1.40	14.0	100

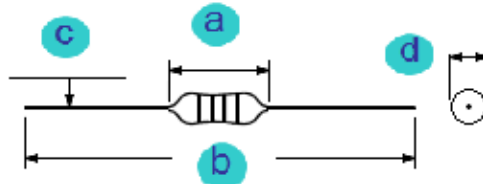
Note: 1. Inductance (Current) ranges: 0.10uH (1.4A) - 1000uH (100mA)

2. DCR: from 0.10 - 14.0 Ohms.

3. Body Size: 10.41 x 4.44 mm

B. Dimensions: mm (Inch)

Series	a	b	c	d
1206	10.41 (0.410)	64.0 (2.52)	0.635 (0.025)	4.44 (0.175)
Tol.	Max	±2.0 (0.079)	0.05 (0.002)	Max



C. General Information:

- Coil Form Material: Ferrite
- Inductance Tolerance: M:±20%, K: ±10%, J:±5%.
- Other information:

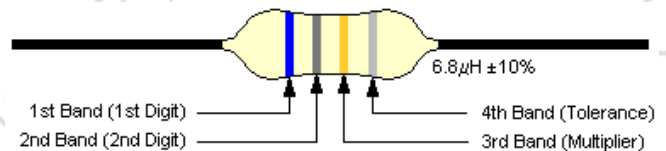
Spec. / Series	1206-Series
Operating Temperature:	- 20°X to + 80°X
Temp. Rise:	20°X
Ambient Temperature:	90°X Max.
Terminal Strength:	3 lb.
Marking:	Color Code in accordance with EIA
Moisture & Heat Resist.:	$\Delta L/L \leq \pm 5\%$ $\Delta Q/Q \leq \pm 10\%$
Dielectric Strength:	1KV rms.
Test Equipment:	L & Q = HP4342A at specified frequency DCR = Milli-Ohm meter, SRF = HP4191A

- Color Code for RF Coated Chokes:

Color	Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Gray	White	Gold	Silver	None
Digit	0	1	2	3	4	5	6	7	8	9	--	--	--
Multiplier	1	10	100	1000	10,000	--	--	--	--	--	0.1	0.01	--
Tolerance	--	--	--	3%	--	--	--	--	--	--	5%	10%	20%

Example for color code on Molded Inductor:

Inductance (μH)	1st Band	2nd Band	3rd Band	4th Band
$0.68 \pm 10\%$	Blue	Gray	Silver	Silver
$6.8 \pm 10\%$	Blue	Gray	Gold	Silver
$68 \pm 10\%$	Blue	Gray	Black	Silver



Color Code