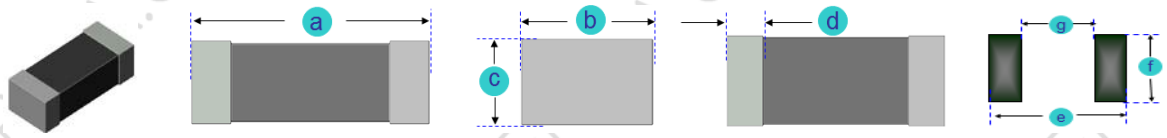
A. Electrical Specifications:

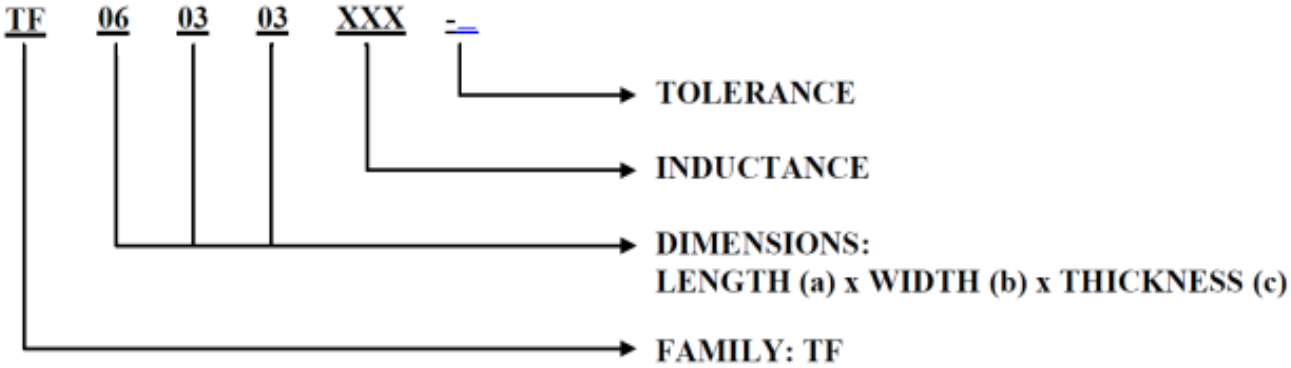
P/N	L (nH)	Tol.	Test Freq. (MHz)	Q Min.	SRF Min. (MHz)	DCR Max. (Ω)	I rms. Max. (mA)
TF060303-0N3_	0.3	S, C, D	100	4	10000	0.07	250
TF060303-0N4_	0.4	S, C, D	100	4	10000	0.07	250
TF060303-0N5_	0.5	S, C, D	100	4	10000	0.08	250
TF060303-0N6_	0.6	S, C, D	100	4	10000	0.08	250
TF060303-0N7_	0.7	S, C, D	100	4	10000	0.09	250
TF060303-0N8_	0.8	S, C, D	100	4	10000	0.10	250
TF060303-0N9_	0.9	S, C, D	100	4	10000	0.10	250
TF060303-1N0_	1.0	S, C, D	100	4	10000	0.14	250
TF060303-1N1_	1.1	S, C, D	100	4	10000	0.14	250
TF060303-1N2_	1.2	S, C, D	100	4	10000	0.14	250
TF060303-1N3_	1.3	S, C, D	100	4	10000	0.14	250
TF060303-1N5_	1.5	S, C, D	100	4	10000	0.18	230
TF060303-1N6_	1.6	S, C, D	100	4	10000	0.18	230
TF060303-1N8_	1.8	S, C, D	100	4	10000	0.19	200
TF060303-2N0_	2.0	S, C, D	100	4	8800	0.20	200
TF060303-2N1_	2.1	S, C, D	100	4	8800	0.20	200
TF060303-2N2_	2.2	S, C, D	100	4	8800	0.22	200
TF060303-2N4_	2.4	S, C, D	100	4	8300	0.24	200
TF060303-2N7_	2.7	S, C, D	100	5	7700	0.25	200
TF060303-3N0_	3.0	S, C, D	100	5	7200	0.28	180
TF060303-3N2_	3.2	S, C, D	100	5	6700	0.30	180
TF060303-3N3_	3.3	S, C, D	100	5	6700	0.30	180
TF060303-3N6_	3.6	S, C, D	100	5	6400	0.30	170
TF060303-3N9_	3.9	S, C, D	100	5	6000	0.30	170
TF060303-4N3_	4.3	S, C, D	100	5	5700	0.40	150
TF060303-4N7_	4.7	S, C, D	100	5	5300	0.40	150
TF060303-5N1_	5.1	S, C, D	100	5	5000	0.40	150
TF060303-5N6_	5.6	S, C, D	100	5	4200	0.40	150
TF060303-6N2_	6.2	S, C, D	100	5	3800	0.44	150
TF060303-6N8_	6.8	S, C, D	100	5	3500	0.45	150
TF060303-7N5_	7.5	J, H	100	5	3300	0.50	150
TF060303-8N2_	8.2	J, H	100	5	3200	0.53	150
TF060303-9N1_	9.1	J, H	100	5	3000	0.55	150
TF060303-10N_	10	J, H	100	5	2800	0.62	150
TF060303-12N_	12	J, H	100	5	2400	0.65	100
TF060303-15N_	15	J, H	100	5	2200	0.70	100
TF060303-18N_	18	J, H	100	5	2200	0.80	100
TF060303-22N_	22	J, H	100	5	1800	0.90	100
TF060303-27N_	27	J, H	100	4	1800	1.20	50
TF060303-33N_	33	J	100	4	1700	1.80	50
TF060303-39N_	39	J	100	4	1500	2.40	50
TF060303-47N_	47	J	100	4	1300	2.80	100
TF060303-56N_	56	J	100	4	1100	3.00	80
TF060303-68N_	68	J	100	4	1100	2.66	80
TF060303-82N_	82	J	100	4	1000	3.37	70
TF060303-R10_	100	J	100	4	900	3.74	60

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g
TF060303	0.60 (0.024)	0.30 (0.012)	0.30 (0.012)	0.10 (0.004)	0.90 (0.035)	0.30 (0.012)	0.30 (0.012)
Tol.	± 0.03 (0.001)	± 0.03 (0.001)	± 0.03 (0.001)	± 0.20 (0.008)	Typ.	Typ.	Typ.



C. Part Number Key:



D. General Information:

1. P/N TF060303-xxx_, “TF060303” = Size Type, “xxx” = Inductance.
2. Tolerance “_”: M: ± 20%, K: ± 10%, J: ± 5%, H: ±3%, G: ± 2%, S: ±0.3nH, C: ± 0.2nH, D: ± 0.1nH.
3. Product material: Ceramic.
4. Excellent solder ability and high heat resistance for either flow or reflow soldering.
5. Monolithic structures for highly reliable surface mount applications.
6. Superior Q characteristics guaranteed over the wide frequency and allow high frequency application.
7. The completely monolithic structure gives high reliability and allows high SRF.
8. Both flow and IR re-flow application are possible.
9. Operating temperature: -40°C to +125ºC
10. Maximum Temperature Rise: 15°C (when measured at 25°C ambient).
11. Unspecified values available on request.
12. Inductance and Current range: From 0.3nH (250mA) to 100.0nH (60mA)
13. SRF: From 900 MHz to 10,000 MHz
14. MSL: Level 1.

E. Applications:

1. Game Consoles
2. Set Top Boxes
3. Cables Modems
4. Computers
5. Mobile Communication Devices (Cell Phones, Radios, etc.)