

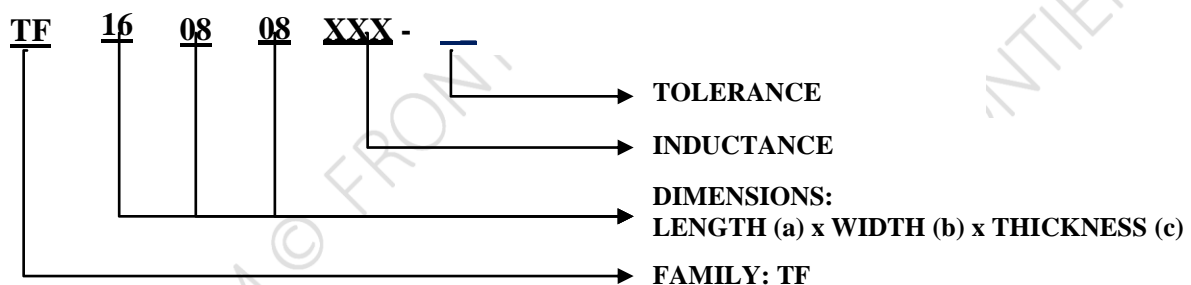
A. Electrical Specifications:

P/N	L(nH)	Tol.	Test Freq. (MHz)	Q Min.	SRF Min. (GHz)	DCR Max. (Ω)	I rms. Max. (A)
TF160808-1N0_	1.0	S, C, B	100	8	10	0.05	1.0
TF160808-1N2_	1.2	S, C, B	100	8	10	0.05	1.0
TF160808-1N5_	1.5	S, C, B	100	8	10	0.10	1.0
TF160808-1N8_	1.8	S, C, B	100	8	10	0.10	1.0
TF160808-2N2_	2.2	S, C, B	100	8	6.0	0.10	1.0
TF160808-2N7_	2.7	S, C, B	100	10	6.0	0.13	1.0
TF160808-3N3_	3.3	S, C, B	100	10	6.0	0.13	1.0
TF160808-3N9_	3.9	S, C, B	100	10	6.0	0.15	1.0
TF160808-4N7_	4.7	S, C, B	100	10	4.0	0.20	1.0
TF160808-5N6_	5.6	S, C, B	100	10	4.0	0.23	0.6
TF160808-6N8_	6.8	J, G	100	10	4.0	0.25	0.6
TF160808-8N2_	8.2	J, G	100	10	3.5	0.28	0.6
TF160808-10N_	10.0	J, G	100	12	3.2	0.30	0.6
TF160808-12N_	12.0	J, G	100	12	2.6	0.35	0.6
TF160808-15N_	15.0	J, G	100	12	2.3	0.40	0.6
TF160806-18N_	18.0	J, G	100	12	2.0	0.45	0.6
TF160808-22N_	22.0	J, G	100	12	1.6	0.50	0.6
TF160808-27N_	27.0	J, G	100	12	1.4	0.55	0.6
TF160808-33N_	33.0	J, G	100	12	1.2	0.60	0.6
TF160808-39N_	39.0	J, G	100	12	1.1	0.65	0.5
TF160808-47N_	47.0	J, G	100	12	0.9	0.70	0.5
TF160808-56N_	56.0	J, G	100	12	0.9	0.75	0.5
TF160808-68N_	68.0	J, G	100	12	0.7	0.85	0.4
TF160808-82N_	82.0	J, G	100	12	0.6	0.95	0.3

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g
TF160808	1.6 (0.063)	0.8 (0.031)	0.8 (0.031)	0.3 (0.012)	2.80(0.110)	1.00(0.039)	0.60(0.024)
Tol.	$\pm 0.2(0.008)$	$\pm 0.2(0.008)$	$\pm 0.2(0.008)$	$\pm 0.2(0.008)$	Typ.	Typ.	Typ.

C. Part Number Key:



D. General Information:

1. TF160808 -xxx_, “TF160808” = Type, “xxx” = Inductance, “_” = Tolerance.
2. Tolerance “_”: J= ± 5%, G= ± 2%, S= ±0.3nH, C= ± 0.2nH, B= ± 0.1nH.
3. The product’s materials: 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: -55°C to +125°C
10. Maximum Temperature Rise: 15°C (when measured at 25°C ambient).
11. Unspecified values available on request.
12. Inductance and Current range: From 1.0nH (1 A) to 83.0nH (0.3 A)
13. SRF: From 0.35 GHz to 10 GHz
14. MSL: Level 1.

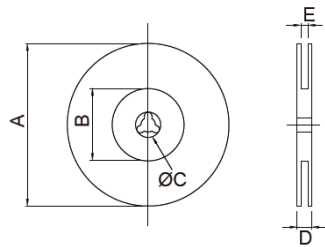
E. Applications:

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

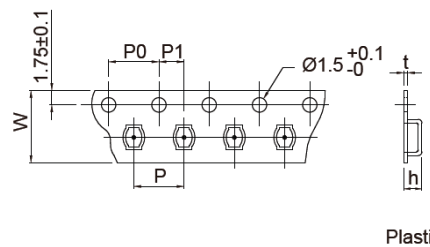
F. Supplementary Information:

1. Packaging Information

CARRIER TAPE REELS



TAPE DIMENSIONS (mm)



Plastic

Series P/N	Reel dimensions (mm)					Tape dimensions (mm)						Parts per reel		Quantity per	
	A	B	C	D	E	W	P	P0	P1	h	t	7”	13”	Box	Carton
TF160808(0603)	180	75	13	12.5	10	8	4	4	2	---	0.92	4,000	---	---	200,000

2. RoHS Reflow Solder Profile

Typical RoHS Reflow Profile

