

SPECIFICATION FOR APPROVAL

Product Name	RADIAL CHOKE COIL (LEAD FREE)	Page	1
Tai-Tech Part No.	S0810 STANDARD SERIES		

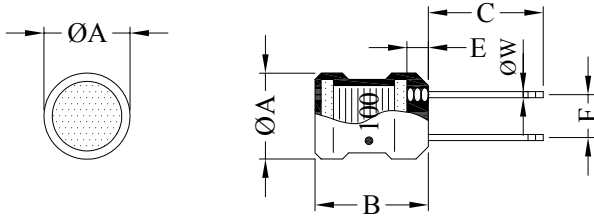
1. CONFIGURATION & DIMENSIONS :

MARKING :

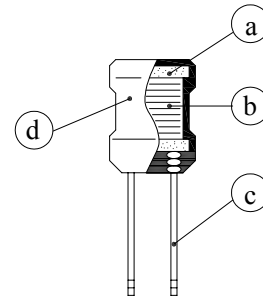
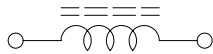
" ● " : START

● 101----100 μ H (INDUCTANCE CODE)

A	: 8.7 \pm 0.5	m/m
B	: 10.0 \pm 1.0	m/m
C	: 5.0 \pm 1	m/m
E	: 2.5 MAX	m/m
F	: 5.0 \pm 0.8	m/m
\varnothing W	: 0.65 \pm 0.1	m/m



2. SCHEMATIC DIAGRAM :



3. MATERIALS :

NO.	DESCRIPTION	SPECIFICATION	REMARK
a.	CORE	DR FERRITE CORE	
b.	WIRE	ENAMELLED COPPER WIRE	
c.	LEAD	TINNED COPPER WIRE	
d.	TUBE	SHRINKABLE TUBE	

4. GENERAL SPECIFICATION :

- a. TEMP. RISE : 20°C MAX. AT RATED CURRENT.
- b. STORAGE TEMP. : -40°C ----- +125°C
- c. OPERATING TEMP. : -25°C ----- +105°C



RoHS Compliant

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5. ELECTRICAL CHARACTERISTICS :

PART NO.	INDUCTANCE (μ H)	TEST FREQ. (HZ)	Q REF.	TEST FREQ. (HZ)	SRF (MHZ) TYP.	RDC (Ohm) MAX.	IDC (A) MAX.
S0810-1R5M5R4F	1.5 \pm 20%	1K	30	7.960M	78.0	0.008	5.40
S0810-2R2M4R5F	2.2 \pm 20%	1K	30	7.960M	63.0	0.010	4.50
S0810-3R3M3R6F	3.3 \pm 20%	1K	30	7.960M	50.0	0.018	3.60
S0810-4R7M3R1F	4.7 \pm 20%	1K	30	7.960M	41.0	0.022	3.10
S0810-6R8M2R5F	6.8 \pm 20%	1K	30	7.960M	33.0	0.028	2.50
S0810-100K2R1F	10.0 \pm 10%	1K	60	2.520M	27.0	0.043	2.10
S0810-150K1R7F	15.0 \pm 10%	1K	50	2.520M	21.0	0.056	1.70
S0810-220K1R4F	22.0 \pm 10%	1K	50	2.520M	17.0	0.086	1.40
S0810-330K1R1F	33.0 \pm 10%	1K	45	2.520M	13.0	0.140	1.10
S0810-470KR96F	47.0 \pm 10%	1K	40	2.520M	11.0	0.170	0.96
S0810-680KR79F	68.0 \pm 10%	1K	35	2.520M	9.0	0.280	0.79
S0810-101KR66F	100.0 \pm 10%	1K	55	0.796M	7.2	0.330	0.66
S0810-151KR53F	150.0 \pm 10%	1K	40	0.796M	5.7	0.560	0.53
S0810-221KR44F	220.0 \pm 10%	1K	30	0.796M	4.5	0.720	0.44
S0810-331KR36F	330.0 \pm 10%	1K	25	0.796M	3.6	1.100	0.36
S0810-471KR30F	470.0 \pm 10%	1K	25	0.796M	2.9	1.700	0.30
S0810-681KR25F	680.0 \pm 10%	1K	25	0.796M	2.3	2.300	0.25
S0810-102KR20F	1000.0 \pm 10%	1K	55	0.252M	1.9	4.300	0.20



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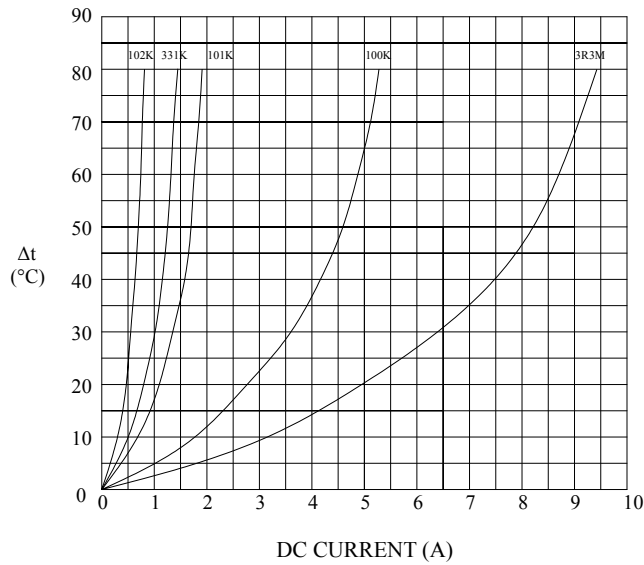
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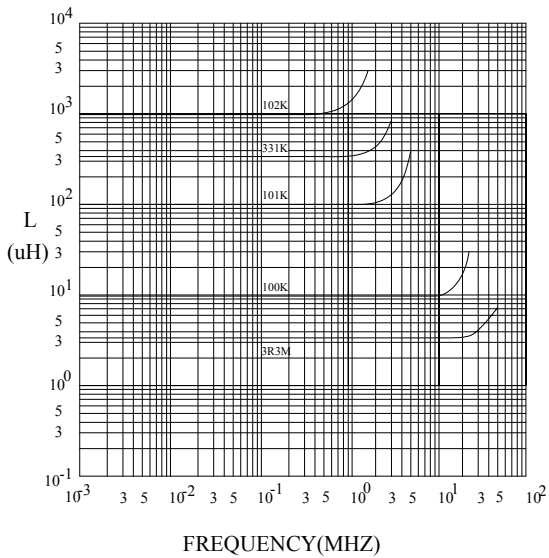
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6. CHARACTERISTICS CURVES :

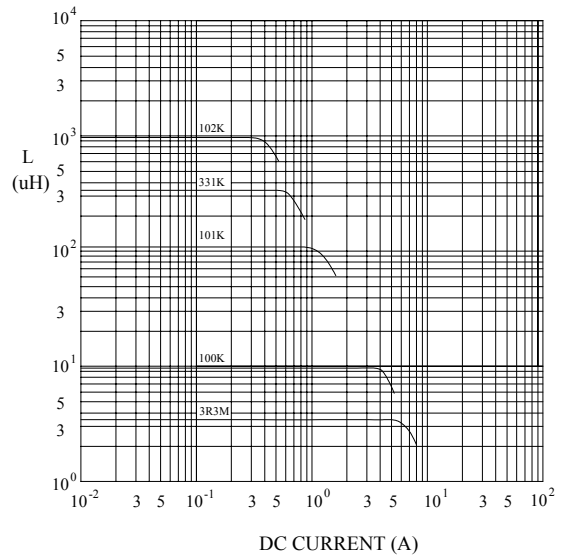
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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