

SPECIFICATION FOR APPROVAL

Product Name	RADIAL CHOKE COIL (LEAD FREE)	Page	1
Tai-Tech Part No.	S0812 STANDARD SERIES		

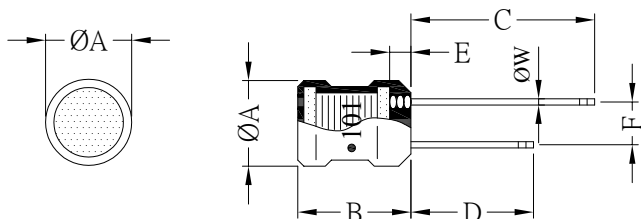
1. CONFIGURATION & DIMENSIONS :

MARKING :

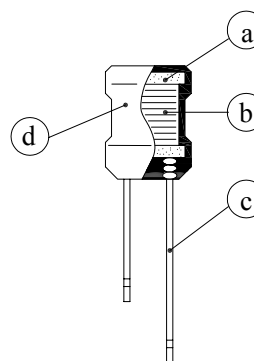
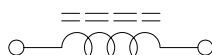
" ● " : START

● 101----100μH (INDUCTANCE CODE)

A	: 8.7±0.5	m/m
B	: 12.0±1.0	m/m
C	: 25.0±5.0	m/m
D	: 18.0±5.0	m/m
E	: 2.5 MAX.	m/m
F	: 5.0±0.8	m/m
ØW	: 0.65±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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22.08.2006



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5. ELECTRICAL CHARACTERISTICS :

PART NO.	INDUCTANCE (μ H)	Q MIN.	TEST FREQ. (MHZ)	SRF (MHZ) MIN.	RDC (Ohm) MAX.	IDC (A) MAX.
S0812-3R3M3R6F	3.3 \pm 20%	20	7.96	70.0	0.027	3.60
S0812-4R7M3R2F	4.7 \pm 20%	20	7.96	50.0	0.033	3.20
S0812-6R8M3R0F	6.8 \pm 20%	20	7.96	30.0	0.039	3.00
S0812-100K2R7F	10.0 \pm 10%	50	2.52	20.0	0.048	2.70
S0812-120K2R5F	12.0 \pm 10%	50	2.52	15.0	0.055	2.50
S0812-150K2R4F	15.0 \pm 10%	50	2.52	10.0	0.060	2.40
S0812-180K2R3F	18.0 \pm 10%	40	2.52	9.5	0.065	2.30
S0812-220K1R9F	22.0 \pm 10%	40	2.52	9.0	0.090	1.90
S0812-270K1R8F	27.0 \pm 10%	40	2.52	8.5	0.110	1.80
S0812-330K1R7F	33.0 \pm 10%	40	2.52	8.0	0.120	1.70
S0812-390K1R6F	39.0 \pm 10%	30	2.52	7.0	0.130	1.60
S0812-470K1R5F	47.0 \pm 10%	30	2.52	6.0	0.140	1.50
S0812-560K1R3F	56.0 \pm 10%	30	2.52	5.0	0.200	1.30
S0812-680K1R2F	68.0 \pm 10%	30	2.52	4.5	0.210	1.20
S0812-820K1R1F	82.0 \pm 10%	30	2.52	4.0	0.230	1.10
S0812-101K1R0F	100.0 \pm 10%	30	0.796	3.5	0.280	1.00
S0812-121KR90F	120.0 \pm 10%	30	0.796	3.0	0.320	0.90
S0812-151KR80F	150.0 \pm 10%	30	0.796	2.8	0.370	0.80
S0812-181KR75F	180.0 \pm 10%	30	0.796	2.6	0.540	0.75
S0812-221KR70F	220.0 \pm 10%	30	0.796	2.4	0.600	0.70
S0812-271KR65F	270.0 \pm 10%	20	0.796	2.2	0.680	0.65
S0812-331KR60F	330.0 \pm 10%	20	0.796	2.0	0.760	0.60
S0812-391KR55F	390.0 \pm 10%	20	0.796	1.9	0.850	0.55
S0812-471KR50F	470.0 \pm 10%	20	0.796	1.8	1.300	0.50
S0812-561KR45F	560.0 \pm 10%	20	0.796	1.7	1.400	0.45
S0812-681KR40F	680.0 \pm 10%	20	0.796	1.6	1.600	0.40
S0812-821KR35F	820.0 \pm 10%	20	0.796	1.5	1.800	0.35
S0812-102KR30F	1000.0 \pm 10%	40	0.252	1.3	2.100	0.30



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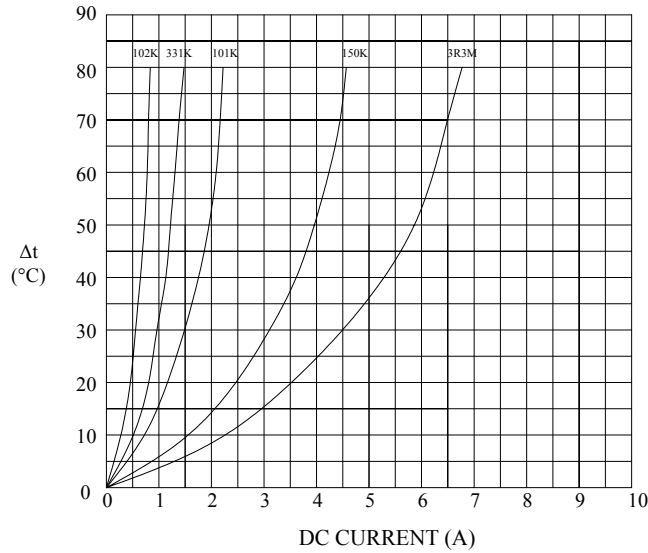
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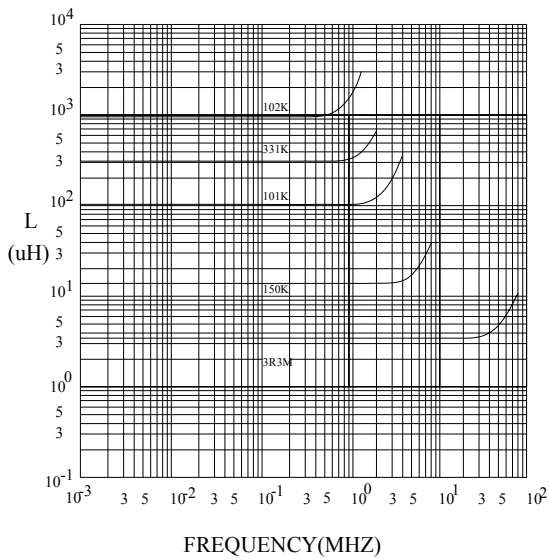
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6. CHARACTERISTICS CURVES :

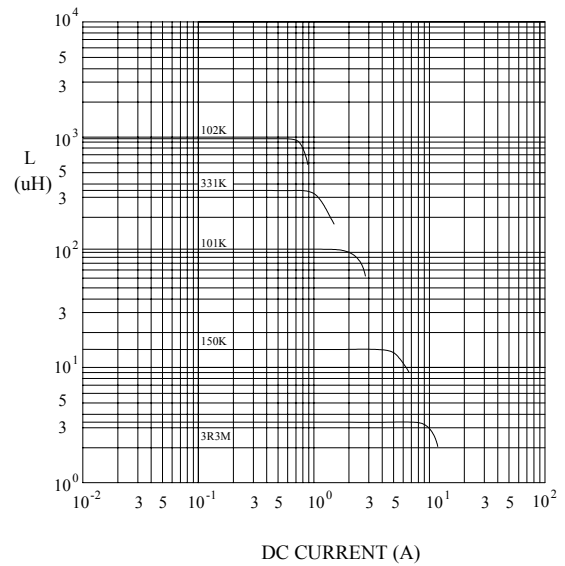
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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