

# SPECIFICATION FOR APPROVAL

Product Name	RADIAL CHOKE COIL (LEAD FREE)	Page	1
Tai-Tech Part No.	S0912 STANDARD SERIES		

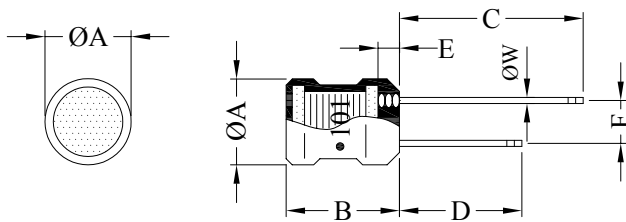
## 1. CONFIGURATION & DIMENSIONS :

MARKING :

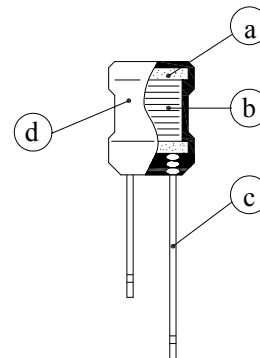
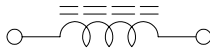
" ● " : START

● 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±0.10	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**

*NOTE : Specifications subject to change without notice. Please check our website for latest information.*

22.08.2006



**TAI-TECH ADVANCED ELECTRONICS (S) PTE LTD**

# SPECIFICATION FOR APPROVAL

Product Name	RADIAL CHOKE COIL (LEAD FREE)	Page	2
Tai-Tech Part No.	S0912 STANDARD SERIES		

## 5. ELECTRICAL CHARACTERISTICS :

PART NO.	INDUCTANCE ( $\mu$ H)	Q MIN.	TEST FREQ. ( KHz )	SRF ( MHz ) MIN.	RDC ( Ohm ) MAX.	IDC ( mA ) MAX.
S0912-101KR35F	100 $\pm$ 10%	45	796.0	3.20	0.85	350
S0912-121KR33F	120 $\pm$ 10%	45	796.0	3.00	0.95	330
S0912-151KR31F	150 $\pm$ 10%	45	796.0	2.80	1.05	310
S0912-181KR30F	180 $\pm$ 10%	45	796.0	2.50	1.15	300
S0912-221KR28F	220 $\pm$ 10%	40	796.0	2.10	1.30	280
S0912-271KR26F	270 $\pm$ 10%	40	796.0	2.00	1.50	260
S0912-331KR24F	330 $\pm$ 10%	40	796.0	1.95	1.70	240
S0912-391KR23F	390 $\pm$ 10%	40	796.0	1.85	1.85	230
S0912-471KR21F	470 $\pm$ 10%	35	796.0	1.55	2.30	210
S0912-561KR20F	560 $\pm$ 10%	35	796.0	1.30	2.55	200
S0912-681KR19F	680 $\pm$ 10%	35	796.0	1.15	2.85	190
S0912-821KR18F	820 $\pm$ 10%	35	796.0	1.00	3.10	180
S0912-102KR16F	1000 $\pm$ 10%	50	252.0	0.90	4.10	160
S0912-122KR15F	1200 $\pm$ 10%	50	252.0	0.80	4.70	150
S0912-152KR13F	1500 $\pm$ 10%	50	252.0	0.70	5.80	130
S0912-182KR11F	1800 $\pm$ 10%	50	252.0	0.60	7.40	115
S0912-222KR11F	2200 $\pm$ 10%	50	252.0	0.55	8.40	110
S0912-272KR09F	2700 $\pm$ 10%	50	252.0	0.50	9.60	95
S0912-332KR08F	3300 $\pm$ 10%	50	252.0	0.45	10.50	80
S0912-392KR07F	3900 $\pm$ 10%	50	252.0	0.40	12.00	70
S0912-472KR06F	4700 $\pm$ 10%	45	252.0	0.38	14.00	65
S0912-562KR06F	5600 $\pm$ 10%	45	252.0	0.36	16.00	60
S0912-682KR05F	6800 $\pm$ 10%	40	252.0	0.34	18.00	55
S0912-822KR05F	8200 $\pm$ 10%	40	252.0	0.32	24.50	50
S0912-103KR04F	10000 $\pm$ 10%	50	79.6	0.30	32.00	45
S0912-123KR04F	12000 $\pm$ 10%	50	79.6	0.28	36.00	40
S0912-153KR03F	15000 $\pm$ 10%	50	79.6	0.26	48.00	35
S0912-183KR03F	18000 $\pm$ 10%	45	79.6	0.24	52.00	30
S0912-223KR02F	22000 $\pm$ 10%	45	79.6	0.22	58.00	28
S0912-273KR02F	27000 $\pm$ 10%	45	79.6	0.20	62.00	26
S0912-333KR02F	33000 $\pm$ 10%	45	79.6	0.18	90.00	24
S0912-393KR02F	39000 $\pm$ 10%	40	79.6	0.17	100.00	22
S0912-473KR02F	47000 $\pm$ 10%	35	79.6	0.16	150.00	20
S0912-563KR01F	56000 $\pm$ 10%	35	79.6	0.15	200.00	18
S0912-683KR01F	68000 $\pm$ 10%	35	79.6	0.14	220.00	16
S0912-823KR01F	82000 $\pm$ 10%	30	79.6	0.12	240.00	14



**RoHS Compliant**

*NOTE : Specifications subject to change without notice. Please check our website for latest information.*

22.08.2006



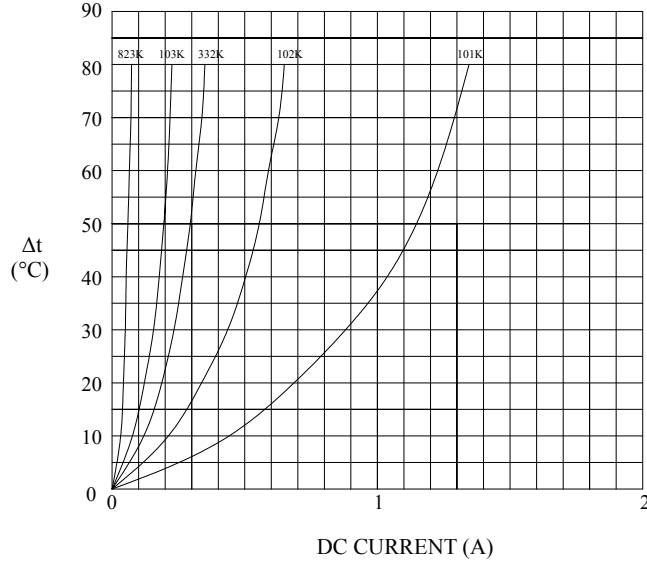
TAI-TECH ADVANCED ELECTRONICS (S) PTE LTD

# SPECIFICATION FOR APPROVAL

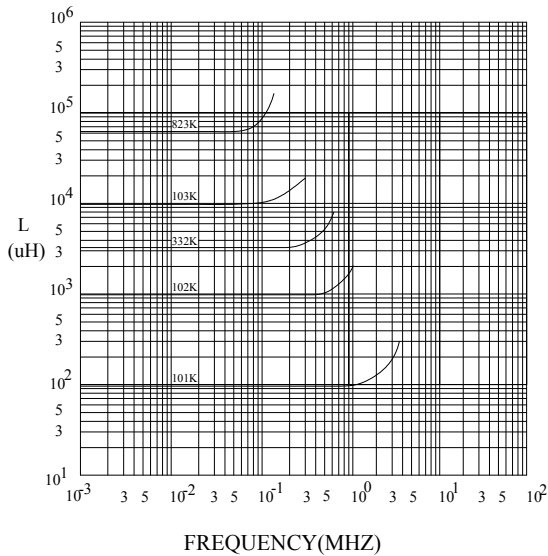
Product Name	RADIAL CHOKE COIL (LEAD FREE)	Page	3
Tai-Tech Part No.	S0912 STANDARD SERIES		

## 6. CHARACTERISTICS CURVES :

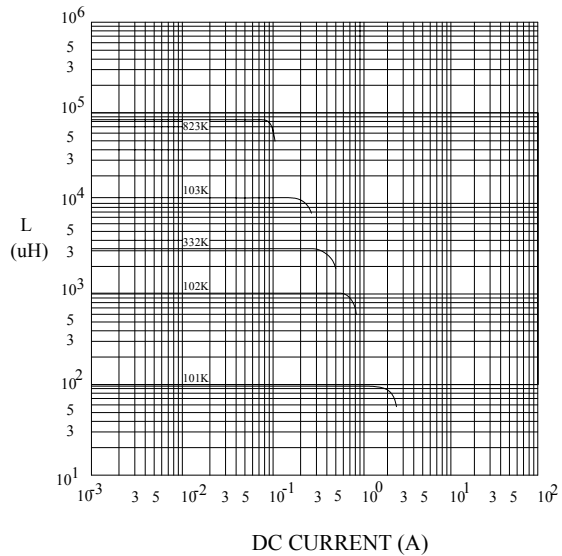
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



**RoHS Compliant**

NOTE : Specifications subject to change without notice. Please check our website for latest information.

22.08.2006



**TAI-TECH ADVANCED ELECTRONICS (S) PTE LTD**