SPECIFICATION FOR APPROVAL

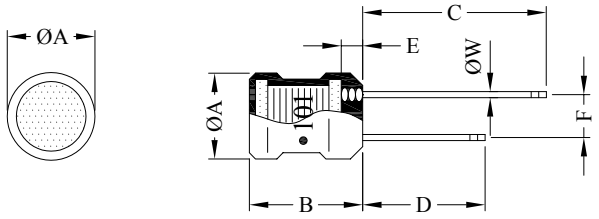
Product Name	RADIAL CHOKE COIL (LEAD FREE)	Page	1
Tai-Tech Part No.	S0710 STANDARD SERIES		

1. CONFIGURATION & DIMENSIONS :

MARKING :

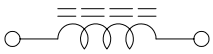
" ● " : START

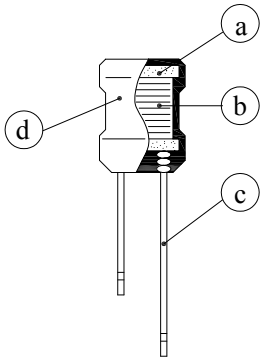
● 101----100μH (INDUCTANCE CODE)



A	:	6.70±0.5	m/m
B	:	10.00±1.0	m/m
C	:	25.00±5.0	m/m
D	:	18.00±5.0	m/m
E	:	2.50 MAX.	m/m
F	:	3.00±0.5	m/m
ØW	:	0.65±1.0	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

Pb

RoHS Compliant

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5. ELECTRICAL CHARACTERISTICS :

PART NO.	INDUCTANCE (μH)	Q MIN.	TEST FREQ. (MHz)	SRF (MHz) MIN.	RDC (Ohm) MAX.	IDC (mA) MAX.
S0710-470KR45F	47 ±10%	30	2.52	6.00	0.40	450
S0710-560KR40F	56 ±10%	30	2.52	5.50	0.45	400
S0710-680KR36F	68 ±10%	30	2.52	5.00	0.50	360
S0710-820KR34F	82 ±10%	30	2.52	4.50	0.50	340
S0710-101KR32F	100 ±10%	45	0.796	4.20	0.60	320
S0710-121KR30F	120 ±10%	45	0.796	3.60	0.70	300
S0710-151KR28F	150 ±10%	45	0.796	3.40	0.90	280
S0710-181KR26F	180 ±10%	45	0.796	3.20	1.00	260
S0710-221KR24F	220 ±10%	45	0.796	3.00	1.20	240
S0710-271KR22F	270 ±10%	45	0.796	2.80	1.40	220
S0710-331KR20F	330 ±10%	45	0.796	2.50	1.60	200
S0710-391KR18F	390 ±10%	45	0.796	2.30	1.80	180
S0710-471KR16F	470 ±10%	45	0.796	2.20	2.00	160
S0710-561KR15F	560 ±10%	45	0.796	2.00	2.50	150
S0710-681KR14F	680 ±10%	45	0.796	1.70	2.90	140
S0710-821KR13F	820 ±10%	45	0.796	1.50	3.10	130
S0710-102KR12F	1000 ±10%	45	0.252	1.40	3.90	120
S0710-122KR11F	1200 ±10%	60	0.252	1.10	4.40	110
S0710-152KR10F	1500 ±10%	60	0.252	0.90	6.00	100
S0710-182KR09F	1800 ±10%	60	0.252	0.80	7.00	90
S0710-222KR08F	2200 ±10%	60	0.252	0.75	8.00	80
S0710-272KR07F	2700 ±10%	60	0.252	0.70	9.00	70
S0710-332KR06F	3300 ±10%	60	0.252	0.60	12.00	60
S0710-392KR05F	3900 ±10%	60	0.252	0.55	14.00	55
S0710-472KR05F	4700 ±10%	60	0.252	0.50	16.00	50
S0710-562KR04F	5600 ±10%	60	0.252	0.48	18.00	45
S0710-682KR04F	6800 ±10%	60	0.252	0.44	24.00	40
S0710-822KR03F	8200 ±10%	60	0.252	0.40	30.00	36

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5. ELECTRICAL CHARACTERISTICS :

PART NO.	INDUCTANCE (μH)	Q MIN.	TEST FREQ. (MHz)	SRF (MHz) MIN.	RDC (Ohm) MAX.	IDC (mA) MAX.
S0710-103KR03F	10000 ±10%	60	0.0796	0.36	39.00	34
S0710-123KR03F	12000 ±10%	60	0.0796	0.32	46.00	32
S0710-153KR03F	15000 ±10%	60	0.0796	0.30	54.00	30
S0710-183KR02F	18000 ±10%	60	0.0796	0.28	76.00	27
S0710-223KR02F	22000 ±10%	60	0.0796	0.24	92.00	25
S0710-273KR02F	27000 ±10%	60	0.0796	0.20	102.00	22
S0710-333KR02F	33000 ±10%	60	0.0796	0.16	140.00	20
S0710-393KR01F	39000 ±10%	60	0.0796	0.13	150.00	18
S0710-473KR01F	47000 ±10%	60	0.0796	0.10	162.00	16

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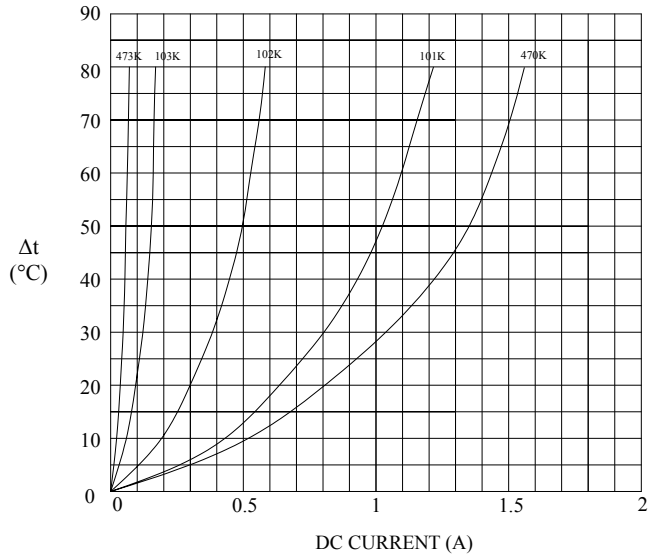
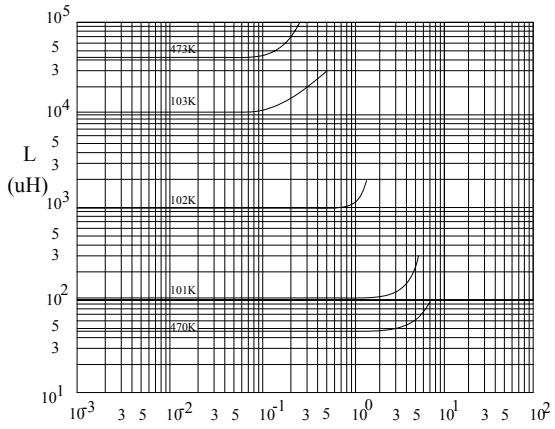
6. CHARACTERISTICS CURVES :

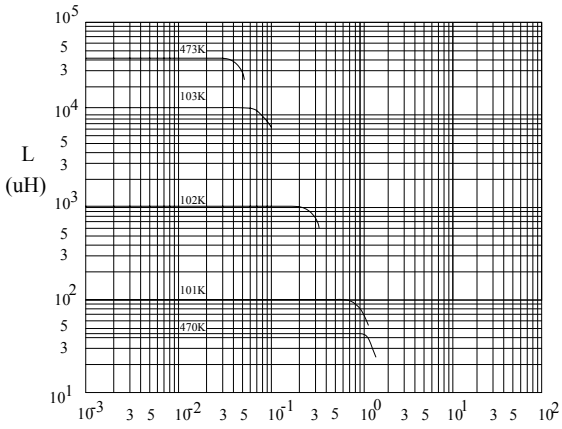
@ TEMP. RISE VS. DC SUPERPOSITION RESPONSE CURVE



@ INDUCTANCE VS. FREQUENCY RESPONSE CURVE



@ INDUCTANCE VS. DC SUPERPOSITION RESPONSE CURVE



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