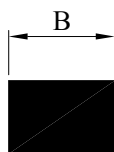
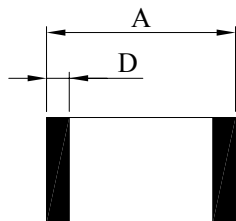


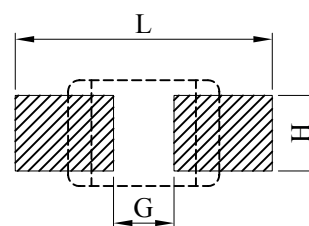
SPECIFICATION FOR APPROVAL

Product Name	FERRITE CHIP INDUCTOR (General Application) (LEAD FREE)	Page	1
Tai-Tech Part No.	FCI2012 SERIES	Rev. No.	0

1. CONFIGURATION & DIMENSIONS :

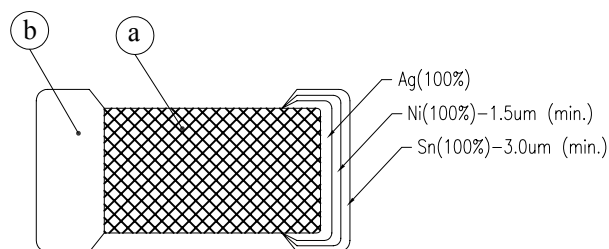
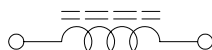


- A : 2.00±0.20 m/m
- B : 1.25±0.20 m/m
- C : 0.85±0.20 m/m
- : 1.25±0.20 m/m
- D : 0.50±0.30 m/m
- G : 1.00 REF m/m
- H : 1.00 REF m/m
- L : 3.00 REF m/m



PCB PATTERN

2. SCHEMATIC DIAGRAM :



3. MATERIALS :

NO.	DESCRIPTION	SPECIFICATION	REMARK
a.	BODY	FERRITE	
b.	TERMINATION	Ag / Ni / Sn	

4. GENERAL SPECIFICATION :

- a. TEMP. RISE : 30°C MAX.
- b. RATED CURRENT : BASE ON TEMP. RISE
- c. STORAGE TEMP. : -40°C ----- +85°C
- d. OPERATING TEMP. : -40°C ----- +85°C
- e. RESISTANCE TO SOLDER HEAT : 260°C.10 SECS.



RoHS Compliant



SPECIFICATION FOR APPROVAL

Product Name	FERRITE CHIP INDUCTOR (General Application) (LEAD FREE)	Page	2
Tai-Tech Part No.	FCI2012 SERIES	Rev. No.	0

5. ELECTRICAL CHARACTERISTICS :

Part Number	EIA Size	Inductance (μH)	Q MIN.	Test Frequency (MHz)	SRF (MHz) MIN.	DC Resistance (Ω) MAX.	Rated Current (mA)
FCI2012F-47N□	0805	0.047	15	50	320	0.20	300
FCI2012F-68N□	0805	0.068	15	50	280	0.20	300
FCI2012F-82N□	0805	0.082	15	50	255	0.20	300
FCI2012F-R10□	0805	0.100	20	25	235	0.30	250
FCI2012F-R12□	0805	0.120	20	25	220	0.30	250
FCI2012F-R15□	0805	0.150	20	25	200	0.40	250
FCI2012F-R18□	0805	0.180	20	25	185	0.40	250
FCI2012F-R22□	0805	0.220	20	25	170	0.50	250
FCI2012F-R27□	0805	0.270	20	25	150	0.50	250
FCI2012F-R33□	0805	0.330	20	25	145	0.55	250
FCI2012F-R39□	0805	0.390	25	25	135	0.65	200
FCI2012F-R47□	0805	0.470	25	25	125	0.65	200
FCI2012F-R56□	0805	0.560	25	25	115	0.75	150
FCI2012F-R68□	0805	0.680	25	25	105	0.80	150
FCI2012F-R82□	0805	0.820	25	25	100	1.00	150
FCI2012F-1R0□	0805	1.000	45	10	75	0.40	50
FCI2012F-1R2□	0805	1.200	45	10	65	0.50	50
FCI2012F-1R5□	0805	1.500	45	10	60	0.50	50
FCI2012F-1R8□	0805	1.800	45	10	55	0.60	50

INDUCTANCE TOLERANCE :

□ : K : ±10%
 M : ±20%



RoHS Compliant



SPECIFICATION FOR APPROVAL

Product Name	FERRITE CHIP INDUCTOR (General Application) (LEAD FREE)	Page	3
Tai-Tech Part No.	FCI2012 SERIES	Rev. No.	0

5. ELECTRICAL CHARACTERISTICS :

Part Number	EIA Size	Inductance (μ H)	Q MIN.	Test Frequency (MHz)	SRF (MHz) MIN.	DC Resistance (Ω) MAX.	Rated Current (mA)
FCI2012F-2R2□	0805	2.200	45	10	50	0.65	30
FCI2012F-2R7□	0805	2.700	45	10	45	0.75	30
FCI2012F-3R3□	0805	3.300	45	10	41	0.80	30
FCI2012F-3R9□	0805	3.900	45	10	38	0.90	30
FCI2012F-4R7□	0805	4.700	45	10	35	1.00	30
FCI2012F-5R6□	0805	5.600	45	4	32	0.90	15
FCI2012F-6R8□	0805	6.800	45	4	29	1.00	15
FCI2012F-8R2□	0805	8.200	45	4	26	1.10	15
FCI2012F-100□	0805	10.000	45	2	24	1.15	15

INDUCTANCE TOLERANCE :

- : K : \pm 10%
- M : \pm 20%



RoHS Compliant

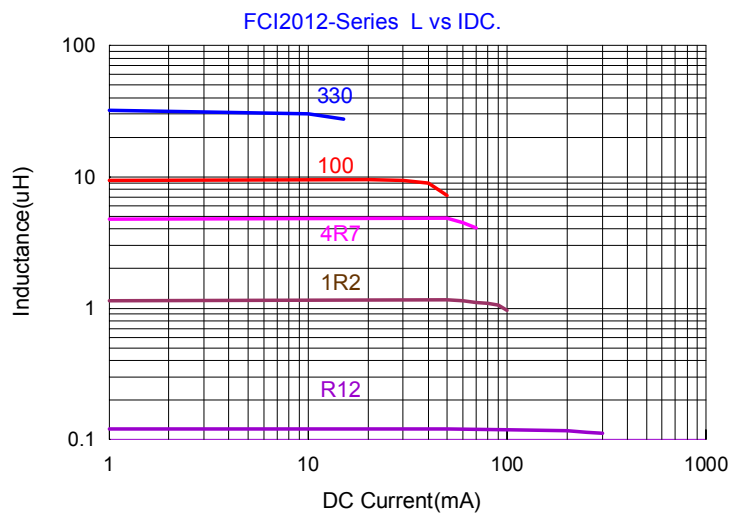
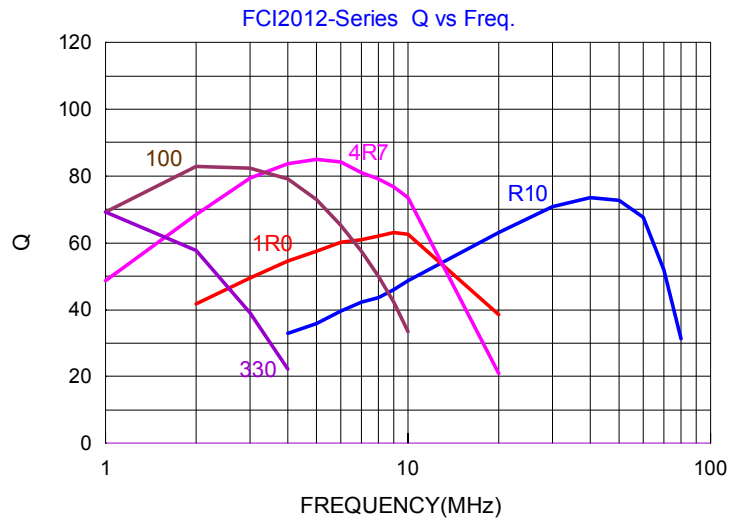


TAI-TECH ADVANCED ELECTRONICS (S) PTE LTD

SPECIFICATION FOR APPROVAL

Product Name	FERRITE CHIP INDUCTOR (General Application) (LEAD FREE)	Page	4
Tai-Tech Part No.	FCI2012 SERIES	Rev. No.	0

6. CHARACTERISTICS CURVE :



RoHS Compliant

