

Product Series Code	<b>GAC</b>	Brand	GOTREND
File Version	GAC0903P-08A02YFB	Editor	Teddy
Established Date	2016.07.25	Description	Air Coil
Latest Edit Date	2016.07.25	Pages	Page : 2

### Features & Application:

- \* Fit for power line & signal line circuit
- \* To help you go pass the CE/FCC standard.
- \* Mobile Device / Handheld Device / LowProfile Device / Panel...

### Part No Example :

**GAC 0903 P - 08 A 02 Y FB**  
 -----  
 1 2 3 4 5 6 7 8

- 1.GOTREND Series : GAC
- 2.Core Dimension Code : Width x Length
- 3.P = Pb free < 1000ppm
- 4.Wire Size : 08=0.8mm / 10=1.0mm ..... etc.
- 5.Wire Count : A=Single , B=2 Wire , C=3 Wire ..... etc.
- 6.Wire Turns : 02 = 2.5 Turns
- 7.Wire Color : Y = Copper Yellow , R = Copper Red
- 8.Pin Foot : FB = Dip

### Test Equipment :

\* HP4284A , HP42841A - L , RDC

Standard Atmospheric Conditions :

Ambient Temp : 20 +/- 15°C

Relative Humidity : 65 +/- 20%

If there may be any doubt on the result, measurement shall be made within the following limits :

Ambient Temp : 25 +/- 5°C

Relative Humidity : 75 +/- 10%

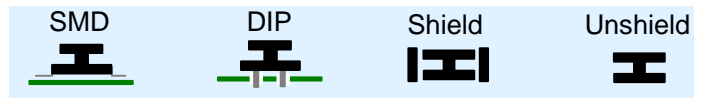
### Operating & Storage Condition :

OPERATING TEMP : -20 ~ +85°C

STORAGE TEMP : -20 ~ +85°C

STORAGE LIFE TIME : 12 MONTH @25°C , RH 65%

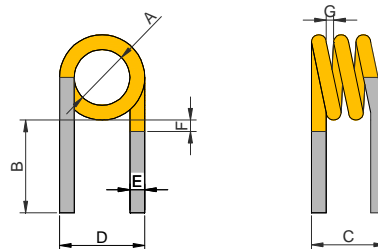
### Product Structure



### 2005 RoHS Compliant - SGS Certified Result

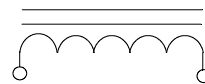
鉛 Pb	鎘 Cd	汞 Hg	六價鉻 Cr+6	溴化聯苯 PBB	溴化聯苯 醚PBDE
<1000ppm	ND	ND	ND	ND	ND

### DIMENSION : [ mm ]



Size	A[+/-0.2]	B[+/-0.1]	C[+/-0.5]	D[+/-0.5]	E[+/-0.05]	F[Max.]	G[Ref.]
0903	7.04	3.81	3.8	9.0	0.8	0.5	0.5

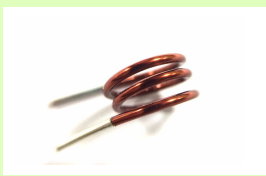
### SCHEMATIC:



### Attention & Caution :

#### Please avoid following matters :

- \* Splashing water or salt water
- \* Toxic Gas (Hydrogen sulfide, Sulfurous acid, Chlorine, Ammonia)
- \* Vibrations or shocks which exceed the specified condition
- \* Dew condensates
- \* Please be careful for the stress to this product by board flexure or something after the mounting.



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### Reliability :

NO	ITEM	TEST CONDITIONS	Sample Qty/pcs	Spec	Result																
1	Dimension 本體相關呎吋	Actual Size ...	10	Meet Spec	ok																
2	Thermal Shock (Temperature Cycle) 溫度循環試驗	Temperature:-20 ° C/ +85 ° C kept stabilized for 30 minutes each Cycle: 100 Cycles(power off)	10	Elec. no variation Appearance no deformation	ok																
3	Humidity Resistance 耐濕試驗	Humidity: 90%~ 95% RH Temperature: 40± 2 ° C Test Time: 120± 2 Hours	10	Elec. no variation Appearance no deformation	ok																
4	High Temperature 耐熱試驗	Temperature: 85± 2 ° C Humidity: 20% Testing Time: 120± 2 Hours	10	Elec. no variation Appearance no deformation	ok																
5	Low Temperature 耐寒試驗	Temperature: -20 ± 2 ° C Time: 120± 2 Hours	10	Elec. no variation Appearance	ok																
6	Temperature and Humidity Cycle 溫/濕度循環試驗	<table border="1"> <thead> <tr> <th>Step</th> <th>Temp</th> <th>Humidity</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>25± 2 ° C</td> <td>95-100%RH</td> <td>3.0Hr</td> </tr> <tr> <td>2</td> <td>55± 2 ° C</td> <td>95-96%RH</td> <td>9.5Hr</td> </tr> <tr> <td>3</td> <td>25± 2 ° C</td> <td>95-100%RH</td> <td>9.5Hr</td> </tr> </tbody> </table>	Step	Temp	Humidity	Time	1	25± 2 ° C	95-100%RH	3.0Hr	2	55± 2 ° C	95-96%RH	9.5Hr	3	25± 2 ° C	95-100%RH	9.5Hr	10	Elec. no variation Appearance no deformation	ok
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3	25± 2 ° C	95-100%RH	9.5Hr																		
7	Vibration 振動性試驗	Frequency: 10Hz~55Hz Amplitude: 1.5mm Direction: X,Y,Z Time: 2 Hours each	10	Elec. no variation Appearance no deformation	ok																
8	Soldering Heat Resistance 耐熱 焊性試驗	Preheat:120 ~ 150 ° C (6 sec) Solder:H63A(eutectic solder) Solder Temp.: 260 ± 5 ° C Flux: Rosin Dip time: 10± 1 seconds	10	Elec. no variation Appearance no deformation	ok																
9	High-Voltage 高壓電擊試驗	100 V DC between core & winding	10	Elec. no variation Appearance no deformation	ok																
10	ORT:on going reliability test 負載電氣試驗	Elec loading & spec test... base on Spec for approval	10	Elec. no variation Appearance no deformation	ok																

### BOX Package: cm

