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|---------------------|-------------------------|-------------|-------------|
| Product Series Code | GRB | Brand | GOTREND |
| File Version | GRB0408P-08A04YDPT-V1R0 | Editor | Teddy |
| Established Date | 2015.11.25 | Description | Dip R Choke |
| Latest Edit Date | 2015.11.25 | Pages | Page : 2 |

Features & Application:

- * Drum Choke with low cost and high reliability.
- * 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:

GRB 0408 P - 08 A 04 Y DP T
 1 2 3 4 5 6 7 8 9

- 1.GOTREND Series : GRB
- 2.Core Dimension Code : Width x Length
- 3.P = Pb free < 1000ppm
- 4.Wire Size : 08 = 0.8 mm etc.
- 5.Wire Count : A = Single , B = 2 Wire , C = 3 Wire etc.
- 6.Wire Turns : 04 = 4.5 Turns
- 7.Wire Color : Y = Copper Yellow , R = Copper Red
- 8.Pin Foot : DP = Dip
- 9.T : Tube

Custom Design @ 1KHz , 1.0V

| P/N | Inductance (uH) | DCR (m Ohm) | IDC (A) |
|--------------------|-----------------|-------------|----------|
| GRB0408P-08A04YDPT | 0.33 uH +/- 30% | 5.0 Max. | 5.0 Ref. |

IDC : Base on L drop 10% Max.

Test Equipment :

- * HP4284A, HP42841A- L, IDC, Q, RDC
- * HP8753D NETWORK ANALYZER- SRF

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

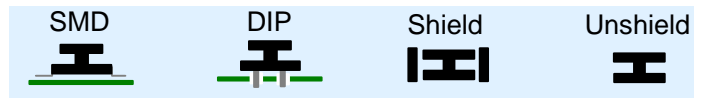
STORAGE LIFE TIME: 12 MONTH @ 25°C , RH 65%

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 condenses
- * Please be careful for the stress to this product by board flexure or something after the mounting.

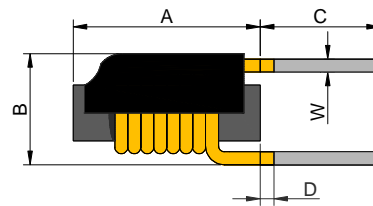
Product Structure



2005 RoHS Compliant - SGS Certified Result

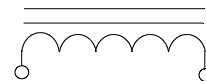
| 鉛 Pb | 鎘 Cd | 汞 Hg | 六價鉻 Cr+6 | 溴化聯苯 PBB | 溴化聯苯 醚 PBDE |
|----------|------|------|----------|----------|-------------|
| <1000ppm | ND | ND | ND | ND | ND |

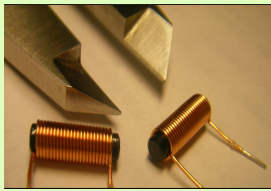
DIMENSION : [mm]



| A | B | C | D | W |
|----------|----------|-------------|----------|---------------|
| 9.0 Max. | 9.0 Max. | 6.0 +/- 1.0 | 1.5 Max. | 0.80 +/- 0.05 |

SCHEMATIC:





| | | | |
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| NO | ITEM | TEST CONDITIONS | Sample Qty/pcs | Spec | Result | | | | | | | | | | | | | | | | |
|------|--|--|----------------|--|----------|------|---|-----------|-----------|-------|---|-----------|----------|-------|---|-----------|-----------|-------|----|--|----|
| 1 | Dimension 本體相關吋吋 | 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 |
| 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 | | | | | | | | | | | | | | | | | | |
| 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

