

# Radial Choke Inductors GSRB / GSRBU

## Features (特長)

- Open Magnetic circuit construction  
(開磁路構造設計)
- Low cost and high reliability  
(低成本及高可靠性)

## Applications (用途)

- Notebook, Inkjet printer, Copying machine, Display monitor, Cellular phone, ADSL modem, Gaming machine, Color TV, Video tape recorder, Video camera, Microwave oven, Lighting and Car electronics.  
(筆記型電腦、噴墨印表機、影印機、顯示監視器、手機、寬頻數據機、遊戲機、彩色電視、錄放影機、攝影機、微波爐、照明設備、汽車電子產品)



## Product Identification (產品識別)

**GSRB**    **0605** -       (Ex. GSRB0605-220M)

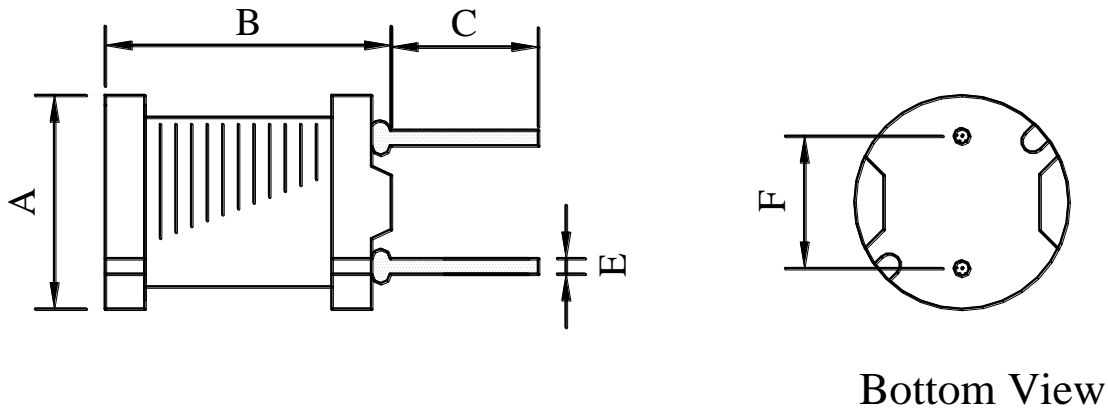
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1. Radial Choke Inductors (抗流線圈) (GSRB)
2. Form (型式)  
U → UL TUBE (UL 套管)
3. Size (尺寸) (0605, 0606, 0805, 0807, 0809)
4. Inductance (電感值)
5. Tolerance (誤差值) (參照表 J 5%, K 10%, L 15%, M 20%, N 30%, Y min)

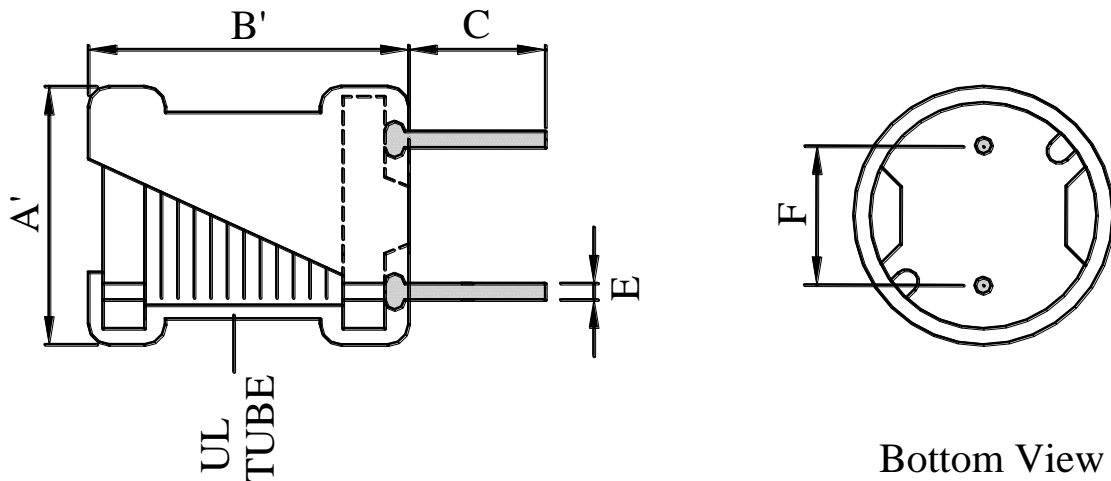
# Radial Choke Inductors GSRB / GSRBU

Configurations & Dimensions (結構圖及規格尺寸)

GSRB



GSRBU



Unit In mm

Type (型式)	∅A (max)	∅A' (max)	B (max)	B' (max)	C 6 1.0	E 6 0.05	F 6 0.5
GSRB/U 0605	6.5	9.0	5.5	7.5	4.0	0.50	4.0
GSRB/U 0606	6.5	9.0	6.5	9.0	4.0	0.50	4.0
GSRB/U 0805	8.3	10.5	5.5	7.5	5.0	0.65	5.0
GSRB/U 0807	8.3	10.5	7.5	10.0	5.0	0.65	5.0
GSRB/U 0809	8.3	10.5	9.5	12.0	5.0	0.65	5.0

✦ Design as Customer's Requested Specifications. (可依客戶特殊需求設計)

# Radial Choke Inductors

## GSRB0605

Electrical Characteristics for GSRB0605 Series [GSRB0605 系列電子特性規格]

Part Number 產品料號	Inductance ( $\mu$ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR ( $\Omega$ ) (max) 直流阻抗	IDC (A) (max) 定格電流
GSRB□0605 – 220M	22.00	1	0.180	0.90
GSRB□0605 – 270M	27.00	1	0.210	0.81
GSRB□0605 – 330M	33.00	1	0.270	0.74
GSRB□0605 – 390M	39.00	1	0.290	0.68
GSRB□0605 – 470M	47.00	1	0.340	0.62
GSRB□0605 – 560M	56.00	1	0.420	0.57
GSRB□0605 – 680M	68.00	1	0.480	0.51
GSRB□0605 – 820M	82.00	1	0.550	0.47
GSRB□0605 – 101M	100.00	1	0.680	0.42
GSRB□0605 – 121M	120.00	1	0.770	0.39
GSRB□0605 – 151M	150.00	1	0.950	0.35
GSRB□0605 – 181M	180.00	1	1.150	0.32
GSRB□0605 – 221M	220.00	1	1.300	0.29
GSRB□0605 – 271M	270.00	1	1.550	0.26
GSRB□0605 – 331M	330.00	1	2.180	0.23
GSRB□0605 – 391M	390.00	1	2.470	0.21
GSRB□0605 – 471M	470.00	1	2.920	0.20
GSRB□0605 – 561M	560.00	1	3.970	0.18
GSRB□0605 – 681M	680.00	1	4.570	0.16
GSRB□0605 – 821M	820.00	1	5.280	0.15
GSRB□0605 – 102M	1000.00	1	7.060	0.13

※Test Freq. : 1KHz / 0.25V.

※Operating Temp. :  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

※Inductance drop = 10% typ. at IDC.

※Storage Temperature&Humidity :  $\leq 40^{\circ}\text{C}$  & 70% RH maximum

# Radial Choke Inductors

## GSRB0606

Electrical Characteristics for GSRB0606 Series [GSRB0606 系列電子特性規格]

Part Number 產品料號	Inductance ( $\mu$ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR ( $\Omega$ ) (max) 直流阻抗	IDC (A) (max) 定格電流
GSRB□0606 – 220M	22.00	1	0.110	1.27
GSRB□0606 – 270M	27.00	1	0.140	1.14
GSRB□0606 – 330M	33.00	1	0.170	1.03
GSRB□0606 – 390M	39.00	1	0.190	0.95
GSRB□0606 – 470M	47.00	1	0.230	0.87
GSRB□0606 – 560M	56.00	1	0.260	0.80
GSRB□0606 – 680M	68.00	1	0.280	0.72
GSRB□0606 – 820M	82.00	1	0.390	0.66
GSRB□0606 – 101M	100.00	1	0.430	0.59
GSRB□0606 – 121M	120.00	1	0.540	0.54
GSRB□0606 – 151M	150.00	1	0.640	0.48
GSRB□0606 – 181M	180.00	1	0.740	0.44
GSRB□0606 – 221M	220.00	1	0.960	0.40
GSRB□0606 – 271M	270.00	1	1.120	0.36
GSRB□0606 – 331M	330.00	1	1.480	0.33
GSRB□0606 – 391M	390.00	1	1.660	0.30
GSRB□0606 – 471M	470.00	1	1.910	0.27
GSRB□0606 – 561M	560.00	1	2.310	0.25
GSRB□0606 – 681M	680.00	1	2.670	0.23
GSRB□0606 – 821M	820.00	1	3.100	0.21
GSRB□0606 – 102M	1000.00	1	4.450	0.19

※Test Freq. : 1KHz / 0.25V.

※Operating Temp. :  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

※Inductance drop = 10% typ. at IDC.

※Storage Temperature&Humidity :  $\leq 40^{\circ}\text{C}$  & 70% RH maximum

# Radial Choke Inductors

## GSRB0805

Electrical Characteristics for GSRB0805 Series [GSRB0805 系列電子特性規格]

Part Number 產品料號	Inductance ( $\mu$ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR ( $\Omega$ ) (max) 直流阻抗	IDC (A) (max) 定格電流
GSRB□0805 – 100M	10.00	1	0.070	2.50
GSRB□0805 – 120M	12.00	1	0.080	2.40
GSRB□0805 – 150M	15.00	1	0.090	2.10
GSRB□0805 – 180M	18.00	1	0.100	2.00
GSRB□0805 – 220M	22.00	1	0.120	1.70
GSRB□0805 – 270M	27.00	1	0.140	1.60
GSRB□0805 – 330M	33.00	1	0.170	1.40
GSRB□0805 – 390M	39.00	1	0.210	1.30
GSRB□0805 – 470M	47.00	1	0.240	1.20
GSRB□0805 – 560M	56.00	1	0.310	1.10
GSRB□0805 – 680M	68.00	1	0.340	1.00
GSRB□0805 – 820M	82.00	1	0.400	0.93
GSRB□0805 – 101M	100.00	1	0.520	0.81
GSRB□0805 – 121M	120.00	1	0.590	0.76
GSRB□0805 – 151M	150.00	1	0.710	0.67
GSRB□0805 – 181M	180.00	1	0.890	0.62
GSRB□0805 – 221M	220.00	1	1.040	0.54
GSRB□0805 – 271M	270.00	1	1.280	0.49
GSRB□0805 – 331M	330.00	1	1.470	0.44
GSRB□0805 – 391M	390.00	1	1.670	0.41
GSRB□0805 – 471M	470.00	1	1.950	0.38
GSRB□0805 – 561M	560.00	1	2.830	0.35
GSRB□0805 – 681M	680.00	1	3.250	0.32
GSRB□0805 – 821M	820.00	1	3.820	0.31
GSRB□0805 – 102M	1000.00	1	5.280	0.25
GSRB□0805 – 122M	1200.00	1	6.030	0.23
GSRB□0805 – 152M	1500.00	1	7.150	0.21
GSRB□0805 – 182M	1800.00	1	8.260	0.20
GSRB□0805 – 222M	2200.00	1	11.100	0.18
GSRB□0805 – 272M	2700.00	1	13.100	0.16
GSRB□0805 – 332M	3300.00	1	15.900	0.14
GSRB□0805 – 392M	3900.00	1	18.000	0.13
GSRB□0805 – 472M	4700.00	1	23.900	0.12
GSRB□0805 – 562M	5600.00	1	26.800	0.11
GSRB□0805 – 682M	6800.00	1	31.700	0.098
GSRB□0805 – 822M	8200.00	1	46.500	0.088
GSRB□0805 – 103M	10000.00	1	55.700	0.081

※Test Freq. : 1KHz / 0.25V.

※Operating Temp. :  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

※Inductance drop = 10% typ. at IDC.

※Storage Temperature&Humidity :  $\leq 40^{\circ}\text{C}$  & 70% RH maximum

# Radial Choke Inductors

## GSRB0807

Electrical Characteristics for GSRB0807 Series [GSRB0807 系列電子特性規格]

Part Number 產品料號	Inductance ( $\mu$ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR ( $\Omega$ ) (max) 直流阻抗	IDC (A) (max) 定格電流
GSRB□0807 – 100M	10.00	1	0.050	2.90
GSRB□0807 – 120M	12.00	1	0.060	2.50
GSRB□0807 – 150M	15.00	1	0.070	2.20
GSRB□0807 – 180M	18.00	1	0.080	1.90
GSRB□0807 – 220M	22.00	1	0.090	1.80
GSRB□0807 – 270M	27.00	1	0.110	1.70
GSRB□0807 – 330M	33.00	1	0.130	1.50
GSRB□0807 – 390M	39.00	1	0.140	1.30
GSRB□0807 – 470M	47.00	1	0.150	1.30
GSRB□0807 – 560M	56.00	1	0.180	1.20
GSRB□0807 – 680M	68.00	1	0.200	1.10
GSRB□0807 – 820M	82.00	1	0.240	1.00
GSRB□0807 – 101M	100.00	1	0.280	0.89
GSRB□0807 – 121M	120.00	1	0.360	0.81
GSRB□0807 – 151M	150.00	1	0.420	0.72
GSRB□0807 – 181M	180.00	1	0.570	0.66
GSRB□0807 – 221M	220.00	1	0.630	0.57
GSRB□0807 – 271M	270.00	1	0.880	0.51
GSRB□0807 – 331M	330.00	1	1.050	0.46
GSRB□0807 – 391M	390.00	1	1.170	0.44
GSRB□0807 – 471M	470.00	1	1.340	0.41
GSRB□0807 – 561M	560.00	1	1.720	0.36
GSRB□0807 – 681M	680.00	1	1.960	0.33
GSRB□0807 – 821M	820.00	1	2.560	0.30
GSRB□0807 – 102M	1000.00	1	2.940	0.27
GSRB□0807 – 122M	1200.00	1	4.040	0.24
GSRB□0807 – 152M	1500.00	1	4.700	0.22
GSRB□0807 – 182M	1800.00	1	5.050	0.20
GSRB□0807 – 222M	2200.00	1	6.250	0.18
GSRB□0807 – 272M	2700.00	1	8.720	0.16
GSRB□0807 – 332M	3300.00	1	10.600	0.15
GSRB□0807 – 392M	3900.00	1	14.200	0.14
GSRB□0807 – 472M	4700.00	1	16.700	0.12
GSRB□0807 – 562M	5600.00	1	18.700	0.11
GSRB□0807 – 682M	6800.00	1	21.800	0.10
GSRB□0807 – 822M	8200.00	1	28.700	0.093
GSRB□0807 – 103M	10000.00	1	33.000	0.084

※Test Freq. : 1KHz / 0.25V.

※Operating Temp. :  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

※Inductance drop = 10% typ. at IDC.

※Storage Temperature&Humidity :  $\leq 40^{\circ}\text{C}$  & 70% RH maximum

# Radial Choke Inductors

## GSRB0809

Electrical Characteristics for GSRB0809 Series [GSRB0809 系列電子特性規格]

Part Number 產品料號	Inductance ( $\mu$ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR ( $\Omega$ ) (max) 直流阻抗	IDC (A) (max) 定格電流
GSRB□0809 – 100M	10.00	1	0.040	2.60
GSRB□0809 – 120M	12.00	1	0.040	2.60
GSRB□0809 – 150M	15.00	1	0.050	2.10
GSRB□0809 – 180M	18.00	1	0.050	2.00
GSRB□0809 – 220M	22.00	1	0.060	1.70
GSRB□0809 – 270M	27.00	1	0.060	1.60
GSRB□0809 – 330M	33.00	1	0.070	1.40
GSRB□0809 – 390M	39.00	1	0.080	1.40
GSRB□0809 – 470M	47.00	1	0.100	1.30
GSRB□0809 – 560M	56.00	1	0.110	1.20
GSRB□0809 – 680M	68.00	1	0.140	1.10
GSRB□0809 – 820M	82.00	1	0.160	1.00
GSRB□0809 – 101M	100.00	1	0.190	0.90
GSRB□0809 – 121M	120.00	1	0.220	0.82
GSRB□0809 – 151M	150.00	1	0.270	0.74
GSRB□0809 – 181M	180.00	1	0.310	0.71
GSRB□0809 – 221M	220.00	1	0.380	0.64
GSRB□0809 – 271M	270.00	1	0.530	0.57
GSRB□0809 – 331M	330.00	1	0.610	0.51
GSRB□0809 – 391M	390.00	1	0.690	0.48
GSRB□0809 – 471M	470.00	1	0.890	0.43
GSRB□0809 – 561M	560.00	1	1.010	0.40
GSRB□0809 – 681M	680.00	1	1.180	0.35
GSRB□0809 – 821M	820.00	1	1.570	0.32
GSRB□0809 – 102M	1000.00	1	1.840	0.30
GSRB□0809 – 122M	1200.00	1	2.100	0.27
GSRB□0809 – 152M	1500.00	1	2.800	0.23
GSRB□0809 – 182M	1800.00	1	3.210	0.21
GSRB□0809 – 222M	2200.00	1	4.210	0.19
GSRB□0809 – 272M	2700.00	1	4.940	0.17
GSRB□0809 – 332M	3300.00	1	6.160	0.15
GSRB□0809 – 392M	3900.00	1	6.840	0.14
GSRB□0809 – 472M	4700.00	1	7.890	0.13
GSRB□0809 – 562M	5600.00	1	11.500	0.12
GSRB□0809 – 682M	6800.00	1	13.200	0.11
GSRB□0809 – 822M	8200.00	1	15.200	0.10
GSRB□0809 – 103M	10000.00	1	22.000	0.089

# Radial Choke Inductors

## GSRB0809

Electrical Characteristics for GSRB0809 Series [GSRB0809 系列電子特性規格]

Part Number 產品料號	Inductance ( $\mu$ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR ( $\Omega$ ) (max) 直流阻抗	IDC (A) (max) 定格電流
GSRB□0809 – 123M	12000.00	1	25.000	0.073
GSRB□0809 – 153M	15000.00	1	29.100	0.068
GSRB□0809 – 183M	18000.00	1	38.900	0.066
GSRB□0809 – 223M	22000.00	1	44.900	0.059
GSRB□0809 – 273M	27000.00	1	55.700	0.052
GSRB□0809 – 333M	33000.00	1	64.200	0.048
GSRB□0809 – 393M	39000.00	1	74.200	0.042
GSRB□0809 – 473M	47000.00	1	96.400	0.038

※Test Freq. : 1KHz / 0.25V.

※Operating Temp. :  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

※Inductance drop = 10% typ. at IDC.

※Storage Temperature&Humidity :  $\leq 40^{\circ}\text{C}$  & 70% RH maximum