

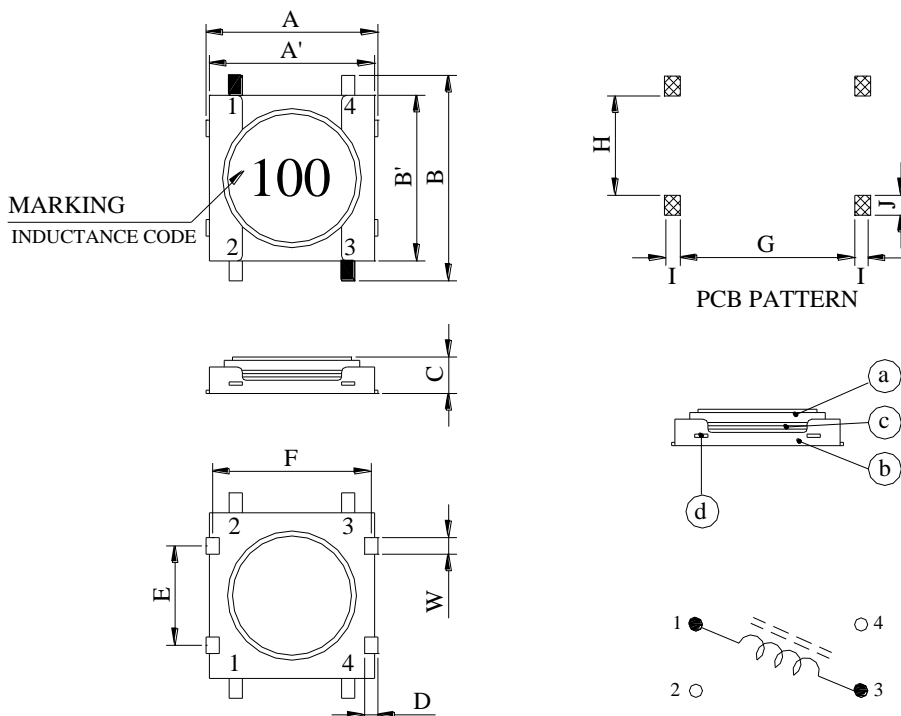


# GENERAL COMPONENTS INDUSTRY CORP.

## 旭誠工業股份有限公司

### GSB SERIES II

#### ★ CONFIGURATION & DIMENSIONS :



| SERIES  | A       | A'      | B                   | B'      | C                    | D       | E       | F       | W       | G                   | H                   | I                   | J                   |
|---------|---------|---------|---------------------|---------|----------------------|---------|---------|---------|---------|---------------------|---------------------|---------------------|---------------------|
| GSB5210 | 5.2±0.1 | 5.0±0.1 | 6.5 <sup>MAX.</sup> | 5.0±0.1 | 1.05 <sup>MAX.</sup> | 0.4±0.1 | 3.0±0.1 | 4.8±0.1 | 0.5±0.1 | 4.2 <sup>REF.</sup> | 2.2 <sup>REF.</sup> | 0.6 <sup>REF.</sup> | 0.8 <sup>REF.</sup> |
| GSB5212 | 5.2±0.1 | 5.0±0.1 | 6.5 <sup>MAX.</sup> | 5.0±0.1 | 1.25 <sup>MAX.</sup> | 0.4±0.1 | 3.0±0.1 | 4.8±0.1 | 0.5±0.1 | 4.2 <sup>REF.</sup> | 2.2 <sup>REF.</sup> | 0.6 <sup>REF.</sup> | 0.8 <sup>REF.</sup> |
| GSB5215 | 5.2±0.1 | 5.0±0.1 | 6.5 <sup>MAX.</sup> | 5.0±0.1 | 1.55 <sup>MAX.</sup> | 0.4±0.1 | 3.0±0.1 | 4.8±0.1 | 0.5±0.1 | 4.2 <sup>REF.</sup> | 2.2 <sup>REF.</sup> | 0.6 <sup>REF.</sup> | 0.8 <sup>REF.</sup> |
| GSB5225 | 5.2±0.1 | 5.0±0.1 | 6.5 <sup>MAX.</sup> | 5.0±0.1 | 2.55 <sup>MAX.</sup> | 0.4±0.1 | 3.0±0.1 | 4.8±0.1 | 0.5±0.1 | 4.2 <sup>REF.</sup> | 2.2 <sup>REF.</sup> | 0.6 <sup>REF.</sup> | 0.8 <sup>REF.</sup> |

UNIT : m/m

#### ★ MATERIALS :

- a .CORE : FERRITE DR CORE
- b .BASE : LCP
- a · WIRE : ENAMELLED COPPER WIRE 130℃
- b · TERMINAL : TINNED COPPER PLATE
- e · ADHESIVE : EPOXY RESIN

#### ★ GENERAL SPECIFICATION :

- a · TEMP. RISE : ①20℃ TYP. AT Irms1  
②40℃ TYP. AT Irms2
- b · RATED CURRENT :  $\Delta L/L0A=10\%$  REF. AT Isat
- c · STORAGE TEMP : -40℃ ----+125℃
- d · OPERATING TEMP. : -40℃ ----+85℃
- e · RESISTANCE TO SOLDER HEAT : 260℃ .10 SECS.
- f · INDUCTANCE MEASURING FREQUENCY : 100KHZ , 1V



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### GSB SERIES II

| ITEM | RDC (Ω) |         |         |         | Irms1 ( A ) |         |         |         | Irms2 ( A ) |         |         |         | Isat ( A ) |         |         |         |
|------|---------|---------|---------|---------|-------------|---------|---------|---------|-------------|---------|---------|---------|------------|---------|---------|---------|
|      | MAX.    |         |         |         | TYP.        |         |         |         | TYP.        |         |         |         | REF.       |         |         |         |
|      | GSB5210 | GSB5212 | GSB5215 | GSB5225 | GSB5210     | GSB5212 | GSB5215 | GSB5225 | GSB5210     | GSB5212 | GSB5215 | GSB5225 | GSB5210    | GSB5212 | GSB5215 | GSB5225 |
| 2R2  | 0.18    | 0.18    |         |         | 0.51        | 0.55    |         |         | 0.76        | 0.82    |         |         | 1.70       | 1.97    |         |         |
| 3R3  | 0.22    | 0.22    |         |         | 0.46        | 0.50    |         |         | 0.69        | 0.74    |         |         | 1.50       | 1.82    |         |         |
| 4R7  | 0.28    | 0.27    |         |         | 0.41        | 0.45    |         |         | 0.61        | 0.67    |         |         | 1.32       | 1.54    |         |         |
| 6R8  | 0.38    | 0.37    |         |         | 0.35        | 0.38    |         |         | 0.52        | 0.57    |         |         | 1.12       | 1.30    |         |         |
| 100  | 0.61    | 0.48    |         |         | 0.27        | 0.33    |         |         | 0.41        | 0.50    |         |         | 0.90       | 1.10    |         |         |
| 150  | 0.82    | 0.62    |         |         | 0.24        | 0.29    |         |         | 0.35        | 0.44    |         |         | 0.73       | 0.95    |         |         |
| 220  | 1.10    | 1.00    |         |         | 0.20        | 0.23    |         |         | 0.31        | 0.35    |         |         | 0.62       | 0.77    |         |         |
| 330  | 1.88    | 1.40    |         |         | 0.15        | 0.19    |         |         | 0.23        | 0.29    |         |         | 0.52       | 0.60    |         |         |
| 470  | 2.34    | 2.16    |         |         | 0.14        | 0.15    |         |         | 0.21        | 0.23    |         |         | 0.42       | 0.51    |         |         |
| 101  |         |         | 3.2     | 1.6     |             |         | 0.160   | 0.240   |             |         | 0.240   | 0.360   |            |         | 0.50    | 0.45    |
| 151  |         |         | 5.0     | 2.5     |             |         | 0.130   | 0.190   |             |         | 0.190   | 0.290   |            |         | 0.35    | 0.35    |
| 221  |         |         | 6.5     | 3.8     |             |         | 0.115   | 0.160   |             |         | 0.170   | 0.230   |            |         | 0.30    | 0.30    |
| 331  |         |         | 12.0    | 5.9     |             |         | 0.085   | 0.130   |             |         | 0.125   | 0.190   |            |         | 0.22    | 0.25    |
| 471  |         |         | 22.0    | 7.5     |             |         | 0.060   | 0.110   |             |         | 0.090   | 0.170   |            |         | 0.17    | 0.22    |
| 681  |         |         | 27.0    | 12.0    |             |         | 0.055   | 0.090   |             |         | 0.080   | 0.130   |            |         | 0.15    | 0.18    |
| 102  |         |         | 33.0    | 20.0    |             |         | 0.050   | 0.070   |             |         | 0.075   | 0.100   |            |         | 0.13    | 0.14    |
| 152  |         |         |         | 25.0    |             |         |         | 0.060   |             |         |         | 0.090   |            |         |         | 0.12    |
| 222  |         |         |         | 45.0    |             |         |         | 0.045   |             |         |         | 0.065   |            |         |         | 0.09    |
| 332  |         |         |         | 60.0    |             |         |         | 0.040   |             |         |         | 0.060   |            |         |         | 0.08    |

INDUCTANCE TOLERANCE: GSB5210 2R2~470:M:±20%  
 GSB5212 2R2~470:M:±20%  
 GSB5215 101~102:M:±20%  
 GSB5225 101~332:M:±20%