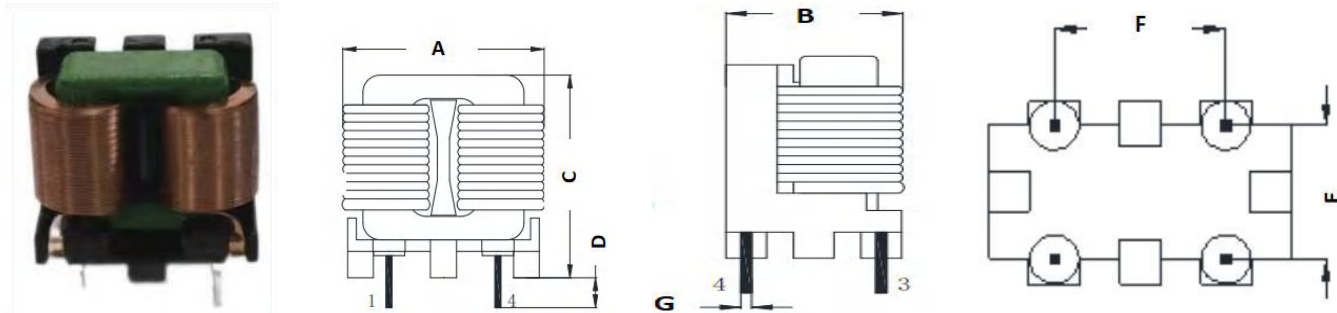


## ■ SQ共模电感系列 SQ common mode inductor series

### 结构及外形尺寸 Dimensions of structure and shape



| Part Number | A (mm) | B (mm) | C (mm) | E (mm)  | F (mm)   | D (mm)  | G (mm)  | INDUCTANCE      |     |
|-------------|--------|--------|--------|---------|----------|---------|---------|-----------------|-----|
|             |        |        |        |         |          |         |         | (1kHz, 1.0V) mH | Min |
| GBSQ1212    | 18 max | 13 max | 17 max | 5.0±0.5 | 8.0±0.5  | 4.0±0.5 | 0.8±0.1 | 5.0-25          |     |
| GBSQ1515    | 21 max | 15 max | 20 max | 6.2±0.5 | 8.5±0.5  | 4.0±0.5 | 0.8±0.1 | 5.0-30          |     |
| GBSQ1918    | 25 max | 22 max | 23 max | 7.0±0.5 | 9.6±0.5  | 4.0±0.5 | 0.8±0.1 | 5.0-40          |     |
| GBSQ2318    | 29 max | 25 max | 23 max | 9.0±0.5 | 10.5±0.5 | 4.0±0.5 | 0.8±0.1 | 5.0-50          |     |
| GBSQ2418    | 31 max | 26 max | 23 max | 1.0±0.5 | 11.0±0.5 | 4.0±0.5 | 0.8±0.1 | 5.0-60          |     |

### 特性 Features

SQ共模电感的匝间寄生电容更小，EMI高频效果明显改善；空间利用率高，同等线径条件下，温升低

SQ common-mode inductance has smaller parasitic capacitance between turns, and EMI high frequency effect is obviously improved. The space utilization rate is high and the temperature rise is low under the same linear diameter condition

电流密度约为圆铜线的1.3倍，同等体积下，感量可以做大；

The current density is about 1.3 times that of round copper wire. Under the same volume, the sensing capacity can be larger.

同等滤波效果条件下，SQ共模电感的高频趋肤效应更好，电感体积更小，电流密度更大

Under the same filtering effect, SQ common-mode inductors have better high-frequency skin effect, smaller inductor volume and larger current density

工作温度范围：-40~125°C

Operating temperature range: -40~125°C

### 应用 Applications

精密仪器

Precision instruments

程控交换机模块电源

The Stored program control exchange module power supply

医疗仪器电源, 工业电源

Medical instrument power supply, industrial power supply

智能家用电器

Intelligent household appliances

★ 产品可以按客户要求定制

Products can be customized according to customer requirements