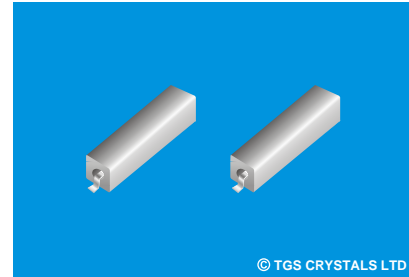


**FEATURES**

- Wide Frequency Range
- Very Low Insertion Loss

**APPLICATIONS**

- Microprocessor Systems
- Data Communications
- Consumer Electronics
- Automotive Electronics



**SPECIFICATION \***

| Material Series | Dielectric Constant | Frequency Stability(ppm) | Wave Length | Mode | Frequency Range(MHZ) | Qu(Min) | Frequency Tolerance  |
|-----------------|---------------------|--------------------------|-------------|------|----------------------|---------|----------------------|
| DR-90           | 90±2                | 0±10                     | λ/2 or λ/4  | S03  | 900~1490             | 230     | ±0.5%<br>or<br>±1.0% |
|                 |                     |                          |             |      | 1500~1690            | 250     |                      |
|                 |                     |                          |             |      | 1700~1990            | 270     |                      |
|                 |                     |                          |             |      | 2000~3000            | 290     |                      |
|                 |                     |                          |             | S04  | 500~540              | 200     |                      |
|                 |                     |                          |             |      | 550~640              | 220     |                      |
|                 |                     |                          |             |      | 650~790              | 240     |                      |
|                 |                     |                          |             |      | 800~890              | 260     |                      |
|                 |                     |                          |             |      | 900~1490             | 270     |                      |
|                 |                     |                          |             |      | 1500~1790            | 290     |                      |
|                 |                     |                          |             |      | 1800~1890            | 340     |                      |
|                 |                     |                          |             |      | 1900~3000            | 370     |                      |
|                 |                     |                          |             | S05  | 500~590              | 270     |                      |
|                 |                     |                          |             |      | 600~1490             | 350     |                      |
|                 |                     |                          |             |      | 1500~2500            | 400     |                      |
|                 |                     |                          |             | S06  | 400~490              | 330     |                      |
|                 |                     |                          |             |      | 500~790              | 350     |                      |
|                 |                     |                          |             |      | 800~1290             | 400     |                      |
| 1300~1690       | 470                 |                          |             |      |                      |         |                      |
| S10             | 1700~2200           | 510                      |             |      |                      |         |                      |
|                 | 300~700             | 600                      |             |      |                      |         |                      |
| S2x3            | 900~1590            | 170                      |             |      |                      |         |                      |
|                 | 1600~2590           | 200                      |             |      |                      |         |                      |
|                 | 2600~3000           | 260                      |             |      |                      |         |                      |
| S4x6            | 400~900             | 200                      |             |      |                      |         |                      |
|                 | S04                 | 1000~1900                | 360         |      |                      |         |                      |
| S06             |                     | 2000~3000                | 400         |      |                      |         |                      |
|                 | S10                 | 700~1540                 | 450         |      |                      |         |                      |
| S10             |                     | 1550~1800                | 550         |      |                      |         |                      |
|                 | S10                 | 400~1200                 | 650         |      |                      |         |                      |
| S03             |                     | 1900~2490                | 380         |      |                      |         |                      |
|                 | S03                 | 2500~3000                | 400         |      |                      |         |                      |
| S04             |                     | 1300~1490                | 350         |      |                      |         |                      |
|                 | 1500~1990           | 400                      |             |      |                      |         |                      |
|                 | 2000~3000           | 450                      |             |      |                      |         |                      |
| S06             | 1000~1190           | 500                      |             |      |                      |         |                      |
|                 | 1200~1790           | 600                      |             |      |                      |         |                      |
|                 | 1800~2490           | 650                      |             |      |                      |         |                      |
|                 | 2500~3000           | 850                      |             |      |                      |         |                      |

\* Specifications Subject to Change Without Notice

**DIMENSIONS**

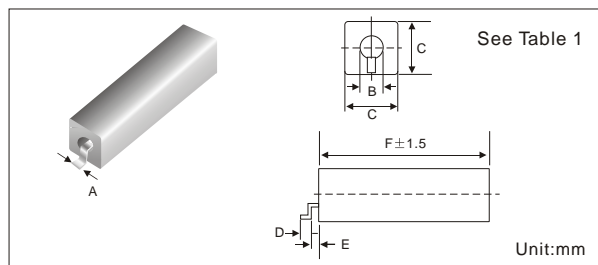


Table 1

| Code | S03                   | S04 | S05 | S06 | S10  |
|------|-----------------------|-----|-----|-----|------|
| A    | 0.5                   | 0.6 | 1.0 | 1.0 | 1.0  |
| B    | 1.0                   | 2.0 | 2.2 | 2.6 | 3.1  |
| C    | 3.0                   | 4.0 | 5.0 | 6.0 | 10.0 |
| D    | 0.7                   | 0.7 | 1.0 | 1.0 | 1.5  |
| E    | 0.5                   | 0.5 | 1.0 | 2.0 | 2.0  |
| F    | Varies with frequency |     |     |     |      |

Tolerance:±0.2mm

**PACKAGE**

- Standard package in T/R: 3000pcs/Reel, 2Reel/box, 5box/Carton Please Contact us for detail dimensions for detail dimensions

**PARTNUMBER GUIDE**

| TGS  | DR                    | 90                                    | S05                                     | 1050        | 4                               | G   | N  | B                                   |
|------|-----------------------|---------------------------------------|---|-------------|---------------------------------|---|--|-------------------------------------|
| Mark | Dielectric Resonators | Dielectric Material<br>90<br>37<br>21 | Size<br>S03<br>S04<br>S05<br>S06<br>S10 | Freq. Range | Wave Length<br>2: λ/2<br>4: λ/4 | Freq. Tolerance<br>J:±/-1.0%<br>K:±/-0.5% | Connector<br>T: With Connector<br>N: Without Connector | B: Bulk Package<br>TU: Tube Package |

e.g. Full P/N.: TGS DR 90 1050 4 J N B

