

RoHS Compliant

### Features

- Maximum capacitance change of  $\pm 15\%$  from  $-55^\circ\text{C}$  to  $+125^\circ\text{C}$
- Gold terminations  $100\mu$  inches over barrier layer
- Excellent bond strength (MIL-STD-883, method 2011.5)
- Available with and without borders

### How to Order

**GH 35 5 A 6R8 C A 6N**  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

#### ① Type Code

|           |           |           |             |
|-----------|-----------|-----------|-------------|
| <b>GH</b> | No Border | <b>GB</b> | With Border |
|-----------|-----------|-----------|-------------|

#### ② Case Size

|                 |                         |                 |          |
|-----------------|-------------------------|-----------------|----------|
| <b>01 to 06</b> | Maxi/ Maxi+/ Ultra Maxi | <b>10 to 90</b> | Standard |
|-----------------|-------------------------|-----------------|----------|

#### ③ Working Voltage Code

|          |        |          |         |
|----------|--------|----------|---------|
| <b>5</b> | 50WVDC | <b>1</b> | 100WVDC |
|----------|--------|----------|---------|

#### ④ Temperature Coefficient

| Dielectric code       | Dielectric Kind & Ceff. | Temperature Coefficient               |
|-----------------------|-------------------------|---------------------------------------|
| <b>A</b>              | NP0                     | $0\pm 30$ ppm/ $^\circ\text{C}$       |
| <b>4</b>              | N1500                   | $\pm 7.5\%$ (non-linear)              |
| <b>7</b>              | N2000                   | $-2000\pm 500$ ppm/ $^\circ\text{C}$  |
| <b>Y</b>              | N4700                   | $-4700\pm 1500$ ppm/ $^\circ\text{C}$ |
| <b>C</b>              | X7R                     | $\pm 15\%$                            |
| <b>Z</b>              | X7S                     | $\pm 22\%$                            |
| <b>8 (Maxi)</b>       | X7R                     | $\pm 15\%$                            |
| <b>9 (Maxi+)</b>      | X7R                     |                                       |
| <b>0 (Ultra Maxi)</b> | X7R                     |                                       |

#### ⑤ Capacitance

#### ⑥ Capacitance Tolerance Code

|          |            |          |                  |
|----------|------------|----------|------------------|
| <b>K</b> | $\pm 10\%$ | <b>Z</b> | $+80$ to $-20\%$ |
| <b>M</b> | $\pm 20\%$ | <b>P</b> | $+100$ to $0\%$  |

T= $0.178\pm 0.051$

#### ⑦ Termination Code

|          |          |          |             |
|----------|----------|----------|-------------|
| <b>A</b> | Ti/ W+Au | <b>N</b> | Ti/ W+Ni+Au |
|----------|----------|----------|-------------|

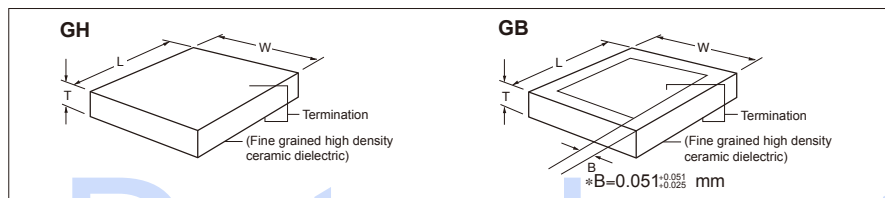
\* N only for GB type

\* N only for size 10 to 90

#### ⑧ Packaging Code

|           |                        |
|-----------|------------------------|
| <b>6N</b> | Antistatic Waffle Pack |
|-----------|------------------------|

### Case Dimensions



### GH Series

| Case Code/ Size          | GH16                                  | GH18                                  | GH26                                  | GH35                                  | GH50                                 | GH70                                 | GH90                                 |          |      |      |          |      |      |          |      |      |      |      |      |     |      |   |
|--------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|----------|------|------|----------|------|------|----------|------|------|------|------|------|-----|------|---|
| Length & Width mm (inch) | 0.381 $\pm$ 0.076 (0.015 $\pm$ 0.003) | 0.457 $\pm$ 0.076 (0.018 $\pm$ 0.003) | 0.635 $\pm$ 0.127 (0.025 $\pm$ 0.005) | 0.889 $\pm$ 0.127 (0.035 $\pm$ 0.005) | 1.27 $\pm$ 0.254 (0.050 $\pm$ 0.010) | 1.78 $\pm$ 0.254 (0.070 $\pm$ 0.010) | 2.29 $\pm$ 0.254 (0.090 $\pm$ 0.010) |          |      |      |          |      |      |          |      |      |      |      |      |     |      |   |
| Thickness (Min/ Max)     | 0.114/ 0.305 (0.0045/ 0.012)          |                                       |                                       |                                       |                                      |                                      |                                      |          |      |      |          |      |      |          |      |      |      |      |      |     |      |   |
| Code                     | k                                     | Cap (pF)                              |                                       |                                       | Cap (pF)                             |                                      |                                      | Cap (pF) |      |      | Cap (pF) |      |      | Cap (pF) |      |      |      |      |      |     |      |   |
|                          |                                       | Min.                                  | Max.                                  | Tol.                                  | Min.                                 | Max.                                 | Tol.                                 | Min.     | Max. | Tol. | Min.     | Max. | Tol. | Min.     | Max. | Tol. | Min. | Max. | Tol. |     |      |   |
| <b>A</b>                 | 14                                    | 0.06                                  | 0.2                                   | A                                     | 0.08                                 | 0.2                                  | A                                    | 0.2      | 0.4  | A    | 0.4      | 0.9  | A    | 0.6      | 2    | A    | 1.3  | 3.9  | A    | 2.2 | 5.6  | A |
|                          | 31                                    | 0.1                                   | 0.4                                   | A                                     | 0.2                                  | 0.5                                  | A                                    | 0.4      | 1    | A    | 0.7      | 2    | A    | 1.5      | 4.7  | B    | 3    | 8.2  | B    | 5.1 | 13   | C |
|                          | 60                                    | 0.3                                   | 1                                     | B                                     | 0.4                                  | 1.1                                  | A                                    | 0.8      | 2    | B    | 1.5      | 4.7  | B    | 2.7      | 9.1  | C    | 6.2  | 16   | D    | 10  | 27   | G |
| <b>4</b>                 | 200                                   | 0.8                                   | 3                                     | C                                     | 1.2                                  | 3.6                                  | C                                    | 2.4      | 6.8  | C    | 4.7      | 13   | D    | 8.2      | 30   | G    | 20   | 56   | G    | 33  | 82   | G |
| <b>7</b>                 | 420                                   | 1.5                                   | 5.6                                   | J                                     | 2.2                                  | 6.2                                  | D                                    | 4.3      | 12   | D    | 8.2      | 22   | J    | 15       | 51   | G    | 33   | 91   | G    | 56  | 150  | G |
| <b>Y</b>                 | 650                                   | 2.7                                   | 10                                    | K                                     | 4.3                                  | 11                                   | D                                    | 7.5      | 22   | J    | 15       | 43   | J    | 27       | 100  | G    | 62   | 180  | G    | 110 | 270  | G |
| <b>C</b>                 | 1100                                  | 3.3                                   | 15                                    | K                                     | 6.8                                  | 18                                   | J                                    | 13       | 36   | J    | 27       | 75   | J    | 47       | 160  | J    | 100  | 300  | J    | 180 | 470  | J |
|                          | 2000                                  | 6.2                                   | 29                                    | K                                     | 13                                   | 36                                   | J                                    | 24       | 68   | J    | 47       | 130  | J    | 82       | 300  | J    | 220  | 560  | J    | 330 | 820  | J |
|                          | 4200                                  | 13                                    | 60                                    | K                                     | 30                                   | 75                                   | J                                    | 56       | 150  | J    | 110      | 300  | J    | 180      | 680  | J    | 430  | 1200 | J    | 750 | 1800 | J |

| Case Code/ Size          | GH01                                  | GH02                                  | GH03                                  | GH04                                 | GH05                                 | GH06                                 |      |          |      |          |      |
|--------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|------|----------|------|----------|------|
| Length & Width mm (inch) | 0.381 $\pm$ 0.127 (0.015 $\pm$ 0.005) | 0.635 $\pm$ 0.127 (0.025 $\pm$ 0.005) | 0.889 $\pm$ 0.127 (0.035 $\pm$ 0.005) | 1.27 $\pm$ 0.254 (0.050 $\pm$ 0.010) | 1.78 $\pm$ 0.254 (0.070 $\pm$ 0.010) | 2.29 $\pm$ 0.254 (0.090 $\pm$ 0.010) |      |          |      |          |      |
| Thickness (Min/ Max)     | 0.127/ 0.229 (0.005/ 0.009)           |                                       |                                       |                                      |                                      |                                      |      |          |      |          |      |
| Code                     | k                                     | Cap (pF)                              |                                       | Cap (pF)                             |                                      | Cap (pF)                             |      | Cap (pF) |      | Cap (pF) |      |
|                          |                                       | Min.                                  | Max.                                  | Min.                                 | Max.                                 | Min.                                 | Max. | Min.     | Max. | Min.     | Max. |
| <b>8</b>                 | 20000                                 | 68                                    | 330                                   | 330                                  | 750                                  | 750                                  | 1200 | 1200     | 2700 | 2700     | 4700 |
| <b>9</b>                 | 30000                                 | 330                                   | 390                                   | 390                                  | 1000                                 | 1000                                 | 1800 | 1800     | 3300 | 3300     | 6800 |

| Case Code/ Size      | GH10                                  | GH15                                      | GH20                                      | GH25                                      | GH35                                  | GH50                                 | GH70                                 | GH90                                 |      |          |      |          |      |
|----------------------|---------------------------------------|---|---|---|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|------|----------|------|----------|------|
| Length mm (inch)     | 0.254 $\pm$ 0.076 (0.010 $\pm$ 0.003) | 0.381 $\pm$ 0.127 (0.015 $\pm$ 0.005)     | 0.508 $\pm$ 0.127 (0.020 $\pm$ 0.005)     | 0.635 $\pm$ 0.127 (0.025 $\pm$ 0.005)     | 0.889 $\pm$ 0.127 (0.035 $\pm$ 0.005) | 1.27 $\pm$ 0.254 (0.050 $\pm$ 0.010) | 1.78 $\pm$ 0.254 (0.070 $\pm$ 0.010) | 2.29 $\pm$ 0.254 (0.090 $\pm$ 0.010) |      |          |      |          |      |
| Width mm (inch)      | 0.254 $\pm$ 0.076 (0.010 $\pm$ 0.003) | 0.381+0.000, -0.076 (0.015+0.000, -0.003) | 0.508+0.000, -0.076 (0.020+0.000, -0.003) | 0.635+0.000, -0.076 (0.025+0.000, -0.003) | 0.889 $\pm$ 0.127 (0.035 $\pm$ 0.005) | 1.27 $\pm$ 0.254 (0.050 $\pm$ 0.010) | 1.78 $\pm$ 0.254 (0.070 $\pm$ 0.010) | 2.29 $\pm$ 0.254 (0.090 $\pm$ 0.010) |      |          |      |          |      |
| Thickness (Min/ Max) | 0.153/ 0.229 (0.006/ 0.009)           |   |   |   |                                       |                                      |                                      |                                      |      |          |      |          |      |
| Code                 | k                                     | Cap (pF)                                  |   | Cap (pF)                                  |                                       | Cap (pF)                             |                                      | Cap (pF)                             |      | Cap (pF) |      | Cap (pF) |      |
|                      |                                       | Min.                                      | Max.                                      | Min.                                      | Max.                                  | Min.                                 | Max.                                 | Min.                                 | Max. | Min.     | Max. | Min.     | Max. |
| <b>Z</b>             | 2500 to 18000                         | 8   | 90  | 11  | 170                                   | 23                                   | 290                                  | 39                                   | 440  | 90       | 970  | 130      | 2200 |

| Case Code/ Size          | GH01                                  | GH02                                  | GH03                                  | GH04                                 | GH05                                 | GH06                                 |      |          |      |          |      |
|--------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|------|----------|------|----------|------|
| Length & Width mm (inch) | 0.381 $\pm$ 0.127 (0.015 $\pm$ 0.005) | 0.635 $\pm$ 0.127 (0.025 $\pm$ 0.005) | 0.889 $\pm$ 0.127 (0.035 $\pm$ 0.005) | 1.27 $\pm$ 0.254 (0.050 $\pm$ 0.010) | 1.78 $\pm$ 0.254 (0.070 $\pm$ 0.010) | 2.29 $\pm$ 0.254 (0.090 $\pm$ 0.010) |      |          |      |          |      |
| Thickness (Min/ Max)     | 0.153/ 0.229 (0.006/ 0.009)           |                                       |                                       |                                      |                                      |                                      |      |          |      |          |      |
| Code                     | k                                     | Cap (pF)                              |                                       | Cap (pF)                             |                                      | Cap (pF)                             |      | Cap (pF) |      | Cap (pF) |      |
|                          |                                       | Min.                                  | Max.                                  | Min.                                 | Max.                                 | Min.                                 | Max. | Min.     | Max. | Min.     | Max. |
| <b>Z</b>                 | 2500 to 18000                         | 20                                    | 200                                   | 35                                   | 470                                  | 80                                   | 800  | 150      | 2000 | 300      | 4700 |



**GB Series**

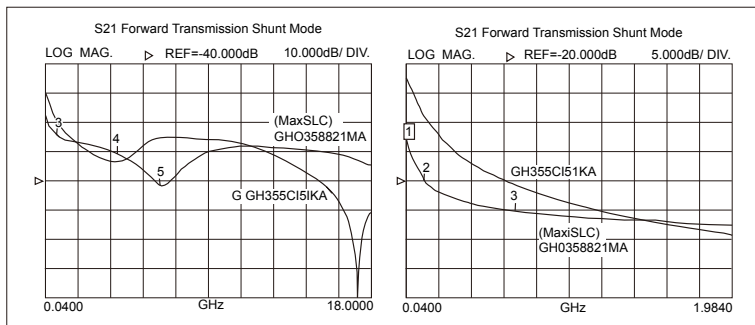
| Case Code/ Size          |      | GB15                                      |      |     | GB20                         |      |     | GB25                         |      |     | GB30                         |      |     | GB35                         |      |     | GB40                         |      |     | GB50                         |      |     |
|--------------------------|------|---|------|-----|------------------------------|------|-----|------------------------------|------|-----|------------------------------|------|-----|------------------------------|------|-----|------------------------------|------|-----|------------------------------|------|-----|
| Length & Width mm (inch) |      | 0.381±0.051<br>(0.015±0.002)              |      |     | 0.508±0.051<br>(0.020±0.002) |      |     | 0.635±0.051<br>(0.025±0.002) |      |     | 0.762±0.051<br>(0.030±0.002) |      |     | 0.899±0.051<br>(0.035±0.002) |      |     | 1.016±0.051<br>(0.040±0.002) |      |     | 1.270±0.051<br>(0.050±0.002) |      |     |
| Thickness (Min/ Max)     |      | 0.114/ 0.305 (0.0045/ 0.012)              |      |     |                              |      |     |                              |      |     |                              |      |     |                              |      |     |                              |      |     |                              |      |     |
| (B) Border               |      | 0.051±0.051, -0.025 (0.002±0.002, -0.001) |      |     |                              |      |     |                              |      |     |                              |      |     |                              |      |     |                              |      |     |                              |      |     |
| Code                     | k    | Cap (pF)                                  |      |     | Cap (pF)                     |      |     | Cap (pF)                     |      |     | Cap (pF)                     |      |     | Cap (pF)                     |      |     | Cap (pF)                     |      |     | Cap (pF)                     |      |     |
|                          |      | Min.                                      | Max. | Tol | Min.                         | Max. | Tol | Min.                         | Max. | Tol | Min.                         | Max. | Tol | Min.                         | Max. | Tol | Min.                         | Max. | Tol | Min.                         | Max. | Tol |
| A                        | 14   | 0.06                                      | 0.1  | A   | 0.1                          | 0.2  | A   | 0.2                          | 0.3  | A   | 0.3                          | 0.4  | A   | 0.4                          | 0.6  | A   | 0.5                          | 0.9  | B   | 0.8                          | 1.3  | B   |
|                          | 31   | 0.1                                       | 0.2  | A   | 0.3                          | 0.4  | B   | 0.4                          | 0.7  | B   | 0.6                          | 1    | B   | 0.8                          | 1.5  | C   | 1.1                          | 2    | C   | 1.8                          | 3    | C   |
|                          | 60   | 0.3                                       | 0.4  | B   | 0.5                          | 0.8  | C   | 0.8                          | 1.3  | C   | 1.2                          | 2    | C   | 1.6                          | 3    | C   | 2.2                          | 3.9  | C   | 3.6                          | 6.2  | D   |
| 4                        | 200  | 0.9                                       | 1.3  | D   | 1.5                          | 2.7  | D   | 2.7                          | 4.7  | M   | 3.9                          | 6.8  | K   | 5.1                          | 9.1  | K   | 6.8                          | 13   | K   | 11                           | 20   | K   |
| 7                        | 420  | 1.5                                       | 2.4  | D   | 2.7                          | 4.7  | M   | 4.7                          | 8.2  | M   | 6.8                          | 12   | K   | 9.1                          | 16   | K   | 12                           | 22   | K   | 20                           | 36   | K   |
| Y                        | 650  | 2.7                                       | 4.7  | M   | 4.7                          | 9.1  | M   | 8.2                          | 15   | M   | 12                           | 22   | K   | 18                           | 30   | K   | 22                           | 39   | K   | 36                           | 62   | K   |
| C                        | 1100 | 4.7                                       | 7.5  | M   | 8.2                          | 15   | M   | 15                           | 24   | M   | 22                           | 36   | K   | 30                           | 51   | K   | 39                           | 68   | K   | 62                           | 110  | K   |
|                          | 2000 | 9.1                                       | 13   | M   | 16                           | 27   | M   | 27                           | 47   | M   | 39                           | 68   | K   | 51                           | 91   | K   | 68                           | 120  | K   | 110                          | 200  | K   |
|                          | 4200 | 20  | 33   | M   | 36                           | 62   | M   | 56                           | 100  | M   | 91                           | 150  | K   | 120                          | 200  | K   | 160                          | 270  | K   | 270                          | 430  | K   |

| Case Code/ Size          |       | GB01                         |      | GB02                         |      | GB03                         |      | GB04                        |      | GB05                        |      | GB06                        |       |
|--------------------------|-------|------------------------------|------|------------------------------|------|------------------------------|------|-----------------------------|------|-----------------------------|------|-----------------------------|-------|
| Length & Width mm (inch) |       | 0.381±0.127<br>(0.015±0.005) |      | 0.635±0.127<br>(0.025±0.005) |      | 0.889±0.127<br>(0.035±0.005) |      | 1.27±0.254<br>(0.050±0.010) |      | 1.78±0.254<br>(0.070±0.010) |      | 2.29±0.254<br>(0.090±0.010) |       |
| Thickness (Min/ Max)     |       | 0.127/ 0.229 (0.005/ 0.009)  |      |                              |      |                              |      |                             |      |                             |      |                             |       |
| (B) Border               |       | 0.051±0.025 (0.002±0.001)    |      |                              |      |                              |      |                             |      |                             |      |                             |       |
| Code                     | k     | Cap (pF)                     |      | Cap (pF)                     |      | Cap (pF)                     |      | Cap (pF)                    |      | Cap (pF)                    |      | Cap (pF)                    |       |
|                          |       | Min.                         | Max. | Min.                         | Max. | Min.                         | Max. | Min.                        | Max. | Min.                        | Max. | Min.                        | Max.  |
| 8                        | 20000 | 51                           | 220  | 220                          | 560  | 560                          | 1000 | 1000                        | 2200 | 2200                        | 4700 | 4700                        | 8200  |
| 9                        | 30000 | 220                          | 330  | 330                          | 820  | 820                          | 1500 | 1500                        | 2700 | 2700                        | 6800 | 6800                        | 10000 |

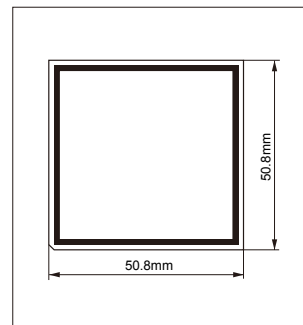
| Case Code/ Size      |               | GB10                         |      | GB15   |      | GB20   |      | GB25   |      | GB35                         |      | GB50                        |      | GB70                        |      | GB90                        |      |
|----------------------|---------------|------------------------------|------|--|------|--|------|--|------|------------------------------|------|-----------------------------|------|-----------------------------|------|-----------------------------|------|
| Length mm (inch)     |               | 0.254±0.076<br>(0.010±0.003) |      | 0.381±0.127<br>(0.015±0.005)                 |      | 0.508±0.127<br>(0.020±0.005)                 |      | 0.635±0.127<br>(0.025±0.005)                 |      | 0.889±0.127<br>(0.035±0.005) |      | 1.27±0.254<br>(0.050±0.010) |      | 1.78±0.254<br>(0.070±0.010) |      | 2.29±0.254<br>(0.090±0.010) |      |
| Width mm (inch)      |               | 0.254±0.076<br>(0.010±0.003) |      | 0.381±0.000, -0.076<br>(0.015±0.000, -0.003) |      | 0.508±0.000, -0.076<br>(0.020±0.000, -0.003) |      | 0.635±0.000, -0.076<br>(0.025±0.000, -0.003) |      | 0.889±0.127<br>(0.035±0.005) |      | 1.27±0.254<br>(0.050±0.010) |      | 1.78±0.254<br>(0.070±0.010) |      | 2.29±0.254<br>(0.090±0.010) |      |
| Thickness (Min/ Max) |               | 0.153/ 0.229 (0.006/ 0.009)  |      |  |      |  |      |  |      |                              |      |                             |      |                             |      |                             |      |
| (B) Border           |               | 0.051±0.025 (0.002±0.001)    |      |  |      |  |      |  |      |                              |      |                             |      |                             |      |                             |      |
| Code                 | k             | Cap (pF)                     |      | Cap (pF)                                     |      | Cap (pF)                                     |      | Cap (pF)                                     |      | Cap (pF)                     |      | Cap (pF)                    |      | Cap (pF)                    |      | Cap (pF)                    |      |
|                      |               | Min.                         | Max. | Min.   | Max. | Min.   | Max. | Min.   | Max. | Min.                         | Max. | Min.                        | Max. | Min.                        | Max. | Min.                        | Max. |
| Z                    | 2500 to 18000 | 6                            | 70   | 9  | 120  | 20   | 250  | 33   | 380  | 80                           | 870  | 120                         | 2000 | 250                         | 3200 | 450                         | 5100 |

| Case Code/ Size          |               | GB01                         |      | GB02                         |      | GB03                         |      | GB04                        |      | GB05                        |      | GB06                        |      |
|--------------------------|---------------|------------------------------|------|------------------------------|------|------------------------------|------|-----------------------------|------|-----------------------------|------|-----------------------------|------|
| Length & Width mm (inch) |               | 0.381±0.127<br>(0.015±0.005) |      | 0.635±0.127<br>(0.025±0.005) |      | 0.889±0.127<br>(0.035±0.005) |      | 1.27±0.254<br>(0.050±0.010) |      | 1.78±0.254<br>(0.070±0.010) |      | 2.29±0.254<br>(0.090±0.010) |      |
| Thickness (Min/ Max)     |               | 0.153/ 0.229 (0.006/ 0.009)  |      |                              |      |                              |      |                             |      |                             |      |                             |      |
| (B) Border               |               | 0.051±0.025 (0.002±0.001)    |      |                              |      |                              |      |                             |      |                             |      |                             |      |
| Code                     | k             | Cap (pF)                     |      | Cap (pF)                     |      | Cap (pF)                     |      | Cap (pF)                    |      | Cap (pF)                    |      | Cap (pF)                    |      |
|                          |               | Min.                         | Max. | Min.                         | Max. | Min.                         | Max. | Min.                        | Max. | Min.                        | Max. | Min.                        | Max. |
| Z                        | 2500 to 18000 | 20                           | 150  | 30                           | 390  | 70                           | 700  | 140                         | 1800 | 280                         | 2700 | 470                         | 4500 |

**S21 Forward Transmission Shunt Mode**



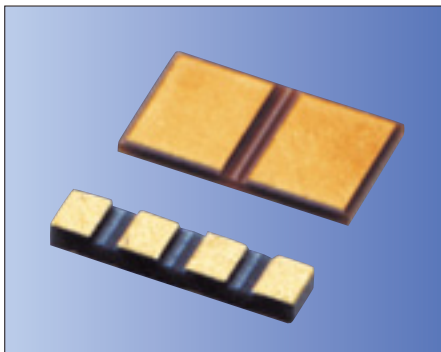
**Dimension**



**Packaging**

Waffle Pack

| Type     | Packaging (pcs.) |
|----------|------------------|
| GH/ GB10 | 484              |
| GH/ GB15 | 400              |
| GH/ GB20 | 400              |
| GH/ GB25 | 400              |
| GH/ GB35 | 400              |
| GH/ GB50 | 256              |
| GH/ GB70 | 256              |
| GH/ GB90 | 100              |



RoHS Compliant

## How to Order

**GH B 5 5 A 6R8 K A 6N**  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Series

② Number of Array

|          |   |          |   |          |   |
|----------|---|----------|---|----------|---|
| <b>B</b> | 2 | <b>C</b> | 3 | <b>D</b> | 4 |
| <b>E</b> | 5 | <b>F</b> | 6 |          |   |

③ Width Code

(unit: mm)

|          |       |          |        |
|----------|-------|----------|--------|
| <b>2</b> | 0.508 | <b>Y</b> | 0.635  |
| <b>3</b> | 0.762 | <b>4</b> | 1.016  |
| <b>5</b> | 1.270 | <b>S</b> | Custom |

④ Working Voltage Code

|          |        |
|----------|--------|
| <b>5</b> | 50WVDC |
|----------|--------|

⑤ Temperature Coefficient

|          |     |          |             |
|----------|-----|----------|-------------|
| <b>Z</b> | X7S | <b>8</b> | X7R (maxi)  |
|          |     | <b>9</b> | X7R (maxi+) |

⑥ Capacitance

⑦ Capacitance Tolerance Code

|           |             |          |            |
|-----------|-------------|----------|------------|
| <b>M*</b> | ±20%        | <b>P</b> | +100 to 0% |
| <b>Z</b>  | +80 to -20% |          | *option    |

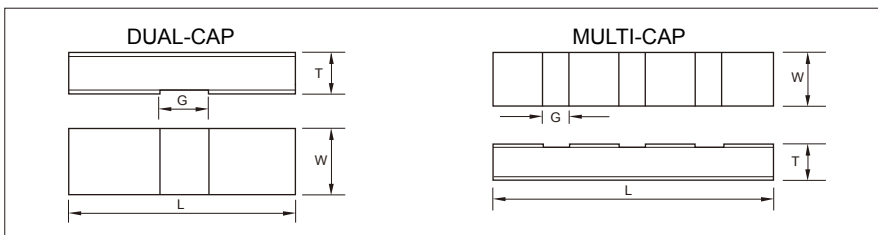
⑧ Termination Code

|          |          |          |             |
|----------|----------|----------|-------------|
| <b>A</b> | Ti/ W+Au | <b>N</b> | Ti/ W+Ni+Au |
|----------|----------|----------|-------------|

⑨ Packaging Code

|           |                        |
|-----------|------------------------|
| <b>6N</b> | Antistatic Waffle Pack |
|-----------|------------------------|

## Dimensions



## Specifications

GHB series

(unit: pF)

| Type | Size  | Dielectric Code | Z          | 8           | 9            |
|------|---|-----------------|------------|-------------|--------------|
| GHB2 | L = 1.27±0.254<br>W = 0.432 to 0.508<br>T = 0.203±0.051<br>G = 0.127±0.254  | Cap (pF)        | 25 to 220  | 200 to 350  | 270 to 450   |
| GHB5 | L = 2.032±0.381<br>W = 0.559 to 0.635<br>T = 0.203±0.051<br>G = 0.127±0.254 | Cap (pF)        | 54 to 500  | 430 to 780  | 600 to 1000  |
| GHB3 | L = 2.032±0.381<br>W = 0.686 to 0.762<br>T = 0.203±0.051<br>G = 0.127±0.254 | Cap (pF)        | 65 to 600  | 520 to 940  | 730 to 1200  |
| GHB4 | L = 2.032±0.381<br>W = 0.944 to 1.02<br>T = 0.203±0.051<br>G = 0.127±0.254  | Cap (pF)        | 88 to 770  | 700 to 1200 | 980 to 1500  |
| GHB5 | L = 2.032±0.381<br>W = 1.194 to 1.270<br>T = 0.203±0.051<br>G = 0.127±0.254 | Cap (pF)        | 100 to 960 | 870 to 1500 | 1200 to 1900 |

GHC/ GHD/ GHE/ GHF series

(unit: pF)

| Type | Size  | Dielectric Code | Z         | 8          | 9          |
|------|---|-----------------|-----------|------------|------------|
| GH-2 | 3: L = 1.65±0.254<br>4: L = 2.29±0.254<br>5: L = 2.92±0.254<br>6: L = 3.56±0.254<br>Pad = 0.508×0.381<br>W = 0.508±0.127<br>T = 0.203±0.051<br>G = 0.127 to 0.254 | Cap (pF)        | 20 to 120 | 140 to 200 | 200 to 300 |
| GH-Y | 3: L = 1.65±0.254<br>4: L = 2.29±0.254<br>5: L = 2.92±0.254<br>6: L = 3.56±0.254<br>Pad = 0.635×0.381<br>W = 0.635±0.127<br>T = 0.203±0.051<br>G = 0.127 to 0.254 | Cap (pF)        | 25 to 150 | 170 to 250 | 250 to 370 |
| GH-3 | 3: L = 1.65±0.254<br>4: L = 2.29±0.254<br>5: L = 2.92±0.254<br>6: L = 3.56±0.254<br>Pad = 0.762×0.381<br>W = 0.762±0.127<br>T = 0.203±0.051<br>G = 0.127 to 0.254 | Cap (pF)        | 30 to 180 | 210 to 300 | 300 to 450 |
| GH-6 | 3: L = 1.65±0.254<br>4: L = 2.29±0.254<br>5: L = 2.92±0.254<br>6: L = 3.56±0.254<br>Pad = 1.02×0.381<br>W = 1.02±0.127<br>T = 0.203±0.051<br>G = 0.127 to 0.254   | Cap (pF)        | 40 to 250 | 280 to 400 | 400 to 600 |