

### MULTILAYER CERAMIC CHIP CAPACITORS

### CGB Series Commercial Grade Low Profile

Type:

CGB1 [EIA CC0201] CGB2 [EIA CC0402] CGB3 [EIA CC0603] CGB4 [EIA CC0805]

Issue date: Oct 2013





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(Example)

| Catalog Issued date    | Catalog Number      | Item Description (On Delivery Label) |
|------------------------|---------------------|--------------------------------------|
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| January 2013 and Later | C1608C0G1E103J080AA | C1608C0G1E103JT000N                  |

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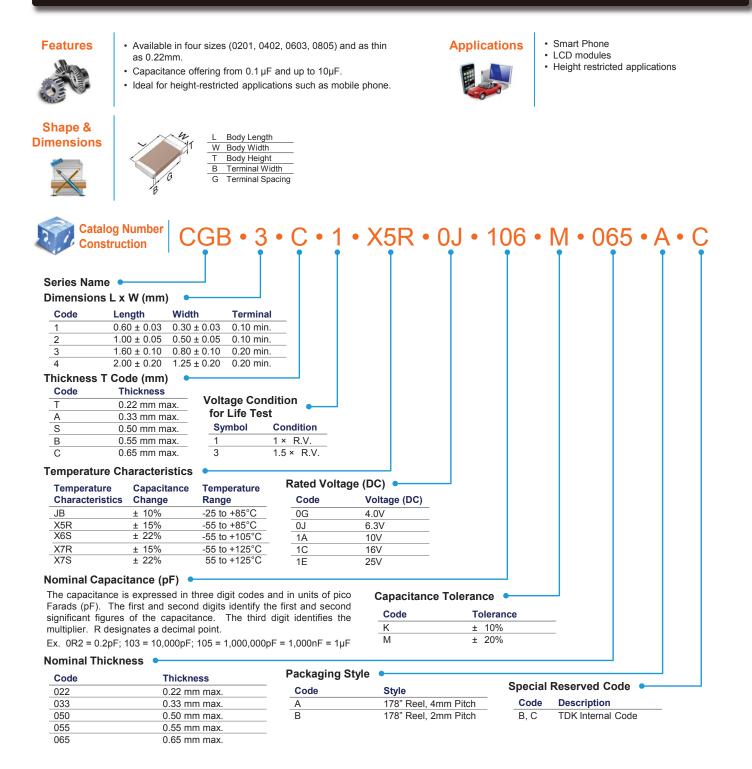


# CGB Series



Low Profile

Type: CGB1 [EIA CC0201], CGB2 [EIA CC0402], CGB3 [EIA CC0603], CGB4 [EIA CC0805]



· All specifications are subject to change without notice.



### MULTILAYER CERAMIC CHIP CAPACITORS

# CGB1(0603) [EIA CC0201]

#### **Capacitance Range Chart**

Capacitance

**Range Chart** 

Temperature Characteristics: X5R (±15%), X6S (±22%) Rated Voltage: 6.3V (0J), 4V (0G)

|                     |      |           | X5R          | X6R        |                    |
|---------------------|------|-----------|--------------|------------|--------------------|
| Capacitance<br>(pF) | Code | Tolerance | 0J<br>(6.3V) | 0G<br>(4V) | Standard Thickness |
| 100,000             | 104  | M : ±20%  |              |            | 0.22 mm            |



### CGB2(1005) [EIA CC0402]

#### Capacitance Range Chart

Temperature Characteristics: JB (±10%), X5R (±15%), X6S (±22%), X7S (±22%) Rated Voltage: 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

| 0                   |      |           |             |             | JB          |              |            |              |             | X5R         |              |            |
|---------------------|------|-----------|-------------|-------------|-------------|--------------|------------|--------------|-------------|-------------|--------------|------------|
| Capacitance<br>(pF) | Code | Tolerance | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V) | 1E<br>(25V)  | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V) |
| 220,000             | 224  | K:±10%    |             |             |             |              |            |              |             |             |              |            |
| 470,000             | 474  | M : ±20%  |             |             |             |              |            |              |             |             |              |            |
| 1,000,000           | 105  |           |             |             |             |              |            |              |             |             |              |            |
| 2,200,000           | 225  |           |             |             |             |              |            |              |             |             |              |            |
|                     |      |           |             |             |             |              |            | -            |             |             |              |            |
|                     |      |           |             | X6S         |             | X7           | 7 <b>S</b> |              |             |             |              |            |
| Capacitance         | Code | Tolerance | 1A          | 0J          | 0G          | 0J           | 0G         |              |             |             |              |            |
| (pF)                |      |           | (10V)       | (6.3V)      | (4V)        | (6.3V)       | (4V)       | Sta          | ndord TI    | hickness    |              |            |
| 220,000             | 224  | K:±10%    |             |             |             |              |            | Sla          |             |             |              |            |
| 470,000             | 474  | M : ±20%  |             |             |             |              |            | 0.22 mm max. |             |             |              |            |
| 1,000,000           | 105  |           |             |             |             |              |            |              | 0.33        | mm ma       | X.           |            |



### CGB3(1608) [EIA CC0603]

#### **Capacitance Range Chart**

Temperature Characteristics: JB (±10%), X5R (±15%), X6S (±22%), X7R (±15%), X7S (±22%) Rated Voltage: 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

| -                   |      |           |             | J           | В            |              |             |              | X           | 5R          |              |            |
|---------------------|------|-----------|-------------|-------------|--------------|--------------|-------------|--------------|-------------|-------------|--------------|------------|
| Capacitance<br>(pF) | Code | Tolerance | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V)  | 0J<br>(6.3V) | 0G<br>(4V)  | 1E<br>(25V)  | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V) |
| 470,000             | 474  | K : ±10%  |             |             |              |              |             |              |             |             |              |            |
| 1,000,000           | 105  | M:±20%    |             |             |              |              |             |              |             |             |              |            |
| 2,200,000           | 225  |           |             |             |              |              |             |              |             |             |              |            |
| 4,700,000           | 475  |           |             |             |              |              |             |              |             |             |              |            |
| 10,000,000          | 106  |           |             |             |              |              |             |              |             |             |              |            |
| 0                   |      |           |             | X           | 6S           |              | X           | 7R           | X7S         |             |              |            |
| Capacitance<br>(pF) | Code | Tolerance | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V)   | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V)  | Sta         | ndard Th     | nickness   |
| 1,000,000           | 105  | K : ±10%  |             |             |              |              |             |              |             |             | 0.50         | mm ma      |
| 2,200,000           | 225  | M:±20%    |             |             |              |              |             |              |             |             |              |            |
| 4,700,000           | 475  |           |             |             |              |              |             |              |             |             | 0.55         | mm ma      |

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## CGB4(2012) [EIA CC0805]

#### Capacitance Range Chart

Temperature Characteristics: JB (± 10%), X5R (± 15%), X6S (± 22%), X7R (± 15%) Rated Voltage: 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

| Conscitores         |      |             |             | JB          |             |             | X5R         |             |             | X6S         |              | X           | 7R           |
|---------------------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|
| Capacitance<br>(pF) | Code | Tolerance   | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 1A<br>(10V) | 0J<br>(6.3V) |
| 680,000             | 684  | K: ± 10%    |             |             |             |             |             |             |             |             |              |             |              |
| 1,000,000           | 105  | M: ± 20%    |             |             |             |             |             |             |             |             |              |             |              |
| 2,200,000           | 225  | 1011 2 2070 |             |             |             |             |             |             |             |             |              |             |              |

Standard Thickness

0.55 mm max.

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### Capacitance Range Table

#### Class 2 (Temperature Stable)

Temperature Characteristics: JB (-25 to +85°C, ±10%)

| Canacitanaa | Size   | Thickness  | Capacitance | Catalog Number         |                        |                        |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|-------------|--------|------------|-------------|------------------------|------------------------|------------------------|-------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------------|
| Capacitance | Size   | (mm)       | Tolerance   | Rated Voltage Edc: 25V | Rated Voltage Edc: 16V | Rated Voltage Edc: 10V | Rated Voltage Edc: 6.3V |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             |        |            | ±10%        |                        |                        | CGB2A3JB1A474K033BB    |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             | 1005   | 0.33max.   | ±10%        |                        | CGB2A1JB1C474K033BC    |                        |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
| 470nF       | 1005   | 0.55ITIAX. | ±20%        |                        |                        | CGB2A3JB1A474M033BB    |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
| 47011F      |        |            | ±20%        |                        | CGB2A1JB1C474M033BC    |                        |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             | 1608   | 0.55max.   | ±10%        | CGB3B3JB1E474K055AB    |                        |                        |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             | 1608   | 0.55max.   | ±20%        | CGB3B3JB1E474M055AB    |                        |                        |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             |        |            | . 109/      |                        |                        |                        | CGB2A3JB0J105K033BB     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             | 1005   | 0.33max.   | ±10%        | CGB2A1JB1E105K033BC    | CGB2A1JB1C105K033BC    | CGB2A1JB1A105K033BC    |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             | 1005   | 0.33max.   | . 000/      |                        |                        |                        | CGB2A3JB0J105M033BB     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             |        |            | ±20%        | CGB2A1JB1E105M033BC    | CGB2A1JB1C105M033BC    | CGB2A1JB1A105M033BC    |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
| 4. F        |        |            | ±10%        |                        | CGB3B3JB1C105K055AB    |                        |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
| 1µF         | 1608   | 0.55max.   | ±10%        | CGB3B1JB1E105K055AC    |                        |                        |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             | 1608   |            | 0.55max.    | 0.55max.               | ±20%                   |                        | CGB3B3JB1C105M055AB     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             |        |            |             |                        |                        |                        |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CGB3B1JB1E105M055AC |
|             | 2012   | 0.55max.   | ±10%        | CGB4B3JB1E105K055AB    |                        |                        |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             | 2012   | 0.55max.   | ±20%        | CGB4B3JB1E105M055AB    |                        |                        |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             | 1005   | 0.33max.   | ±20%        |                        |                        |                        | CGB2A1JB0J225M033BC     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             | 1000   | 0.55       | ±10%        |                        | CGB3B1JB1C225K055AC    | CGB3B3JB1A225K055AB    |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
| 2.2µF       | 1608   | 0.55max.   | ±20%        |                        | CGB3B1JB1C225M055AC    | CGB3B3JB1A225M055AB    |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             | 2012   | 0.55max.   | ±10%        | CGB4B1JB1E225K055AC    | CGB4B3JB1C225K055AB    | CGB4B3JB1A225K055AB    |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
|             | 2012   | 0.55max.   | ±20%        | CGB4B1JB1E225M055AC    | CGB4B3JB1C225M055AB    | CGB4B3JB1A225M055AB    |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
| 4 7.15      | 1608   | 0.55max.   | ±10%        |                        |                        | CGB3B1JB1A475K055AC    | CGB3B3JB0J475K055AB     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
| 4.7µF       | 1008   | U.SSIIIAX. | ±20%        |                        |                        | CGB3B1JB1A475M055AC    | CGB3B3JB0J475M055AB     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
| 10µF        | 1608 - | 0.50max.   | ±20%        |                        |                        |                        | CGB3S1JB0J106M050AC     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |
| ιυμF        | 1008 - | 0.65max.   | ±20%        |                        |                        |                        | CGB3C1JB0J106M065AC     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                     |

|   | Canaaitanaa | Size   | Thickness | Capacitance | Catalog Number          |
|---|-------------|--------|-----------|-------------|-------------------------|
|   | Capacitance | 6 0126 | (mm)      | Tolerance   | Rated Voltage Edc: 4.0V |
|   | 1 uF        | 1005   | 0.33max.  | ± 10%       | CGB2A3JB0G105K033BB     |
|   | ιμг         | 1005   | 0.55max.  | ± 20%       | CGB2A3JB0G105M033BB     |
| _ | 10µF        | 1608   | 0.50max.  | ± 20%       | CGB3S3JB0G106M050AB     |





#### Class 2 (Temperature Stable)

Temperature Characteristics: X5R (-55 to +85°C, ±15%)

| 0           | 0:     | Thickness  | Capacitance | Catalog Number         |                        |                        |                         |
|-------------|--------|------------|-------------|------------------------|------------------------|------------------------|-------------------------|
| Capacitance | Size   | (mm)       | Tolerance   | Rated Voltage Edc: 25V | Rated Voltage Edc: 16V | Rated Voltage Edc: 10V | Rated Voltage Edc: 6.3V |
| 100nF       | 0603   | 0.22max.   | ±20%        |                        |                        |                        | CGB1T3X5R0J104M022BE    |
| 220nF       | 1005   | 0.22max.   | ±20%        |                        |                        |                        | CGB2T3X5R0J224M022BE    |
|             |        | 0.22max.   | ±20%        |                        |                        |                        | CGB2T3X5R0J474M022BE    |
|             | 1005   |            | ±10%        |                        | CGB2A1X5R1C474K033BC   | CGB2A3X5R1A474K033BB   |                         |
| 470nF       | 1005   | 0.33max.   | ±20%        |                        | -CGB2ATA5h1C474R035BC  | CGB2A3X5R1A474M033BB   |                         |
|             |        |            | ±20%        |                        | CGB2A1X5R1C474M033BC   |                        |                         |
|             | 1608   | 0.55max.   | ±10%        | CGB3B3X5R1E474K055AB   |                        |                        |                         |
|             | 1000   | 0.55max.   | ±20%        | CGB3B3X5R1E474M055AB   |                        |                        |                         |
|             |        |            | ±10%        |                        |                        |                        | CGB2A3X5R0J105K033BE    |
|             | 1005   | 0.33max.   | ±10%        | CGB2A1X5R1E105K033BC   | CGB2A1X5R1C105K033BC   | CGB2A1X5R1A105K033BC   |                         |
|             | 1005   | 0.55ITIAX. | ±20%        |                        |                        |                        | CGB2A3X5R0J105M033B     |
|             |        |            | ±20%        | CGB2A1X5R1E105M033BC   | CGB2A1X5R1C105M033BC   | CGB2A1X5R1A105M033BC   |                         |
| 1µF         |        |            | ±10%        |                        | CGB3B3X5R1C105K055AB   |                        |                         |
| ιμι         | 1608   | 0.55max.   | ± 10 %      | CGB3B1X5R1E105K055AC   |                        |                        |                         |
|             | 1000   | 0.55max.   | ±20%        |                        | CGB3B3X5R1C105M055AB   |                        |                         |
|             |        |            | ±20 %       | CGB3B1X5R1E105M055AC   |                        |                        |                         |
|             | 2012   | 0.55max.   | ±10%        | CGB4B3X5R1E105K055AB   |                        |                        |                         |
|             | 2012   | 0.55max.   | ±20%        | CGB4B3X5R1E105M055AB   |                        |                        |                         |
|             | 1005   | 0.33max.   | ±20%        |                        |                        |                        | CGB2A1X5R0J225M033B0    |
|             | 1608   | 0.55max.   | ±10%        |                        | CGB3B1X5R1C225K055AC   | CGB3B3X5R1A225K055AB   |                         |
| 2.2µF       | 1000   | 0.55max.   | ±20%        |                        | CGB3B1X5R1C225M055AC   | CGB3B3X5R1A225M055AB   |                         |
|             | 2012   | 0.55max.   | ±10%        | CGB4B1X5R1E225K055AC   | CGB4B3X5R1C225K055AB   | CGB4B3X5R1A225K055AB   |                         |
|             | 2012   | 0.00111ax. | ±20%        | CGB4B1X5R1E225M055AC   | CGB4B3X5R1C225M055AB   | CGB4B3X5R1A225M055AB   |                         |
| 4.7µF       | 1608   | 0.55max.   | ±10%        |                        |                        | CGB3B1X5R1A475K055AC   | CGB3B3X5R0J475K055AE    |
| -+.7μi      | 1000   | 0.00111ax. | ±20%        |                        |                        | CGB3B1X5R1A475M055AC   | CGB3B3X5R0J475M055AB    |
| 10µF        | 1608 - | 0.50max.   | ±20%        |                        |                        |                        | CGB3S1X5R0J106M050A0    |
| τομι        | 1000 - | 0.65max.   | ±20%        |                        |                        |                        | CGB3C1X5R0J106M065A0    |

| Capacitance | Size      | Thickness  | Capacitance | Catalog Number          |
|-------------|-----------|------------|-------------|-------------------------|
| Capacitance | Size      | (mm)       | Tolerance   | Rated Voltage Edc: 4.0V |
| 470 nF      | 1005      | 0.22max.   | ± 20%       | CGB2T1X5R0G474M022BB    |
|             | 1005      | 0.22max.   | ± 20%       | CGB2T1X5R0G105M022BC    |
| 1 µF        |           | 0.33max.   | ± 10%       | CGB2A3X5R0G105K033BB    |
|             |           | 0.55ITIAX. | ± 20%       | CGB2A3X5R0G105M033BB    |
| 10µF        | 10µF 1608 |            | ±20%        | CGB3S3X5R0G106M050AB    |



### Capacitance Range Table

#### Class 2 (Temperature Stable)

Temperature Characteristics: X6S (-55 to +105°C, ±22%)

| Conscitones | Cine | Thickness  | Capacitance | Catalog Number         |                        |                         |                         |                      |
|-------------|------|------------|-------------|------------------------|------------------------|-------------------------|-------------------------|----------------------|
| Capacitance | Size | (mm)       | Tolerance   | Rated Voltage Edc: 16V | Rated Voltage Edc: 10V | Rated Voltage Edc: 6.3V | Rated Voltage Edc: 4.0V |                      |
| 100nF       | 0603 | 0.22max.   | ±20%        |                        |                        |                         | CGB1T3X6S0G104M022BB    |                      |
| 220nF       | 1005 | 0.22max.   | ±20%        |                        |                        |                         | CGB2T1X6S0G224M022BC    |                      |
|             |      | 0.22max.   | ±20%        |                        |                        |                         | CGB2T1X6S0G474M022BC    |                      |
| 470nF       | 1005 | 0.33max.   | ±10%        |                        | CGB2A1X6S1A474K033BC   | CGB2A3X6S0J474K033BB    | CGB2A1X6S0G474K033BB    |                      |
|             |      | 0.55ITIAX. | ±20%        |                        | CGB2A1X6S1A474M033BC   | CGB2A3X6S0J474M033BB    | CGB2A1X6S0G474M033BB    |                      |
|             |      | 0.22max.   | ±20%        |                        |                        |                         | CGB2T1X6S0G105M022BC    |                      |
|             | 1005 | 0.33max.   | ±10%        |                        | CGB2A1X6S1A105K033BC   | CGB2A1X6S0J105K033BC    | CGB2A1X6S0G105K033BC    |                      |
| 1µF         |      |            | 0.55ITIAX.  | ±20%                   |                        | CGB2A1X6S1A105M033BC    | CGB2A1X6S0J105M033BC    | CGB2A1X6S0G105M033BC |
|             | 1608 | 0.55max.   | ±10%        | CGB3B1X6S1C105K055AC   | CGB3B3X6S1A105K055AB   |                         |                         |                      |
|             | 1000 | 0.55max.   | ±20%        | CGB3B1X6S1C105M055AC   | CGB3B3X6S1A105M055AB   |                         |                         |                      |
|             | 1608 | 0.55max.   | ±10%        |                        | CGB3B1X6S1A225K055AC   | CGB3B3X6S0J225K055AB    | CGB3B3X6S0G225K055AB    |                      |
| 2.2µF       | 1000 | 0.55max.   | ±20%        |                        | CGB3B1X6S1A225M055AC   | CGB3B3X6S0J225M055AB    | CGB3B3X6S0G225M055AB    |                      |
| 2.2μΓ       | 2012 | 0.55max.   | ±10%        | CGB4B1X6S1C225K055AC   | CGB4B3X6S1A225K055AB   | CGB4B3X6S0J225K055AB    |                         |                      |
|             | 2012 | 0.55max.   | ±20%        | CGB4B1X6S1C225M055AC   | CGB4B3X6S1A225M055AB   | CGB4B3X6S0J225M055AB    |                         |                      |
| 4.7µF       | 1608 | 0.55max.   | ±10%        |                        |                        |                         | CGB3B1X6S0G475K055AC    |                      |
| 4./μr       | 1000 | 0.55ITIAX. | ±20%        |                        |                        |                         | CGB3B1X6S0G475M055AC    |                      |

#### **Class 2 (Temperature Stable)**

Temperature Characteristics: X7R (-55 to +125°C, ±15%)

| Capacitance | Size | Thickness | Capacitance | Catalog Number         |                        |                         |                         |
|-------------|------|-----------|-------------|------------------------|------------------------|-------------------------|-------------------------|
| Capacitance | Size | (mm)      | Tolerance   | Rated Voltage Edc: 16V | Rated Voltage Edc: 10V | Rated Voltage Edc: 6.3V | Rated Voltage Edc: 4.0V |
| 1 uF        | 1608 | 0.55 max. | ± 10%       |                        | CGB3B1X7R1A105K055AC   | CGB3B3X7R0J105K055AB    |                         |
| ιμг         | 1000 | 0.55 max. | ± 20%       |                        | CGB3B1X7R1A105M055AC   | CGB3B3X7R0J105M055AB    |                         |
| 0.0         | 2012 | 0.55 max. | ± 10%       |                        | CGB4B1X7R1A225K055AC   | CGB4B3X7R0J225K055AB    |                         |
| 2.2 µF      | 2012 | 0.55 max. | ± 20%       |                        | CGB4B1X7R1A225M055AC   | CGB4B3X7R0J225M055AB    |                         |

#### Class 2 (Temperature Stable)

Temperature Characteristics: X7S (-55 to +125°C, ±22%)

| Capacitance | Size | Thickness | Capacitance | Catalog Number         |                        |                         |                         |
|-------------|------|-----------|-------------|------------------------|------------------------|-------------------------|-------------------------|
| Capacitance | 3126 | (mm)      | Tolerance   | Rated Voltage Edc: 16V | Rated Voltage Edc: 10V | Rated Voltage Edc: 6.3V | Rated Voltage Edc: 4.0V |
| 470 nF      | 1005 | 0.33 max. | ± 10%       |                        |                        |                         | CGB2A1X7S0G474K033BC    |
| 470 HF      | 1005 | 0.33 max. | ± 20%       |                        |                        |                         | CGB2A1X7S0G474M033BC    |
| 1⊏          | 1005 | 0.33 max. | ± 10%       |                        |                        | CGB2A1X7S0J105K033BC    | CGB2A1X7S0G105K033BC    |
| 1 µF        | 1005 | 0.33 max. | ± 20%       |                        |                        | CGB2A1X7S0J105M033BC    | CGB2A1X7S0G105M033BC    |
| 0.0         | 1000 | 0.55 max. | ± 10%       |                        |                        |                         | CGB3B1X7S0G225K055AC    |
| 2.2 µF      | 1608 | 0.55 max. | ± 20%       |                        |                        |                         | CGB3B1X7S0G225M055AC    |