

## Multilayer Ceramic Capacitors for High Frequency Applications

## TVS042CG8R2DC-W



## ■ Features

- Item Summary  
8.2pF $\pm$ 0.5pF, 25V,  
C0G/CG, 01005/0402 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- Standard packaging quantity (minimum)  
Taping Embossed 40000pcs

## ■ Products characteristics table

|   |                              |
|---|------------------------------|
| Capacitance                                   | 8.2 pF $\pm$ 0.5pF           |
| Case Size (EIA/JIS)                           | 01005/0402                   |
| Rated Voltage                                 | 25 V                         |
| Q (min)                                       | 50 at 1GHz                   |
| Temperature Characteristic (EIA)              | C0G                          |
| Operating Temp. Range (EIA)                   | -55 to +125 $^{\circ}$ C     |
| Temperature Characteristic (JIS)              | CG                           |
| Operating Temp. Range (JIS)                   | -55 to +125 $^{\circ}$ C     |
| Temperature Characteristic                    | 0 $\pm$ 30 ppm/ $^{\circ}$ C |
| High Temperature Loading<br>(% Rated Voltage) | 200 %                        |
| Insulation Resistance (min)                   | 10 G $\Omega$                |
| RoHS Compliance (10 subst.)                   | Yes                          |
| REACH Compliance (209 subst.)                 | Yes                          |
| Halogen Free                                  | Yes                          |
| Soldering                                     | Reflow                       |

## ■ External Dimensions

|             |                    |
|-------------|--------------------|
| Dimension L | 0.4 $\pm$ 0.02 mm  |
| Dimension W | 0.2 $\pm$ 0.02 mm  |
| Dimension T | 0.2 $\pm$ 0.02 mm  |
| Dimension e | 0.10 $\pm$ 0.03 mm |

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The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
 TAIYO YUDEN reserves the right to make change to the data at any time without notice.  
 Before making final selection, please check product specification.

## Multi Layer Ceramic Capacitor

-Electrical Characteristics Data-

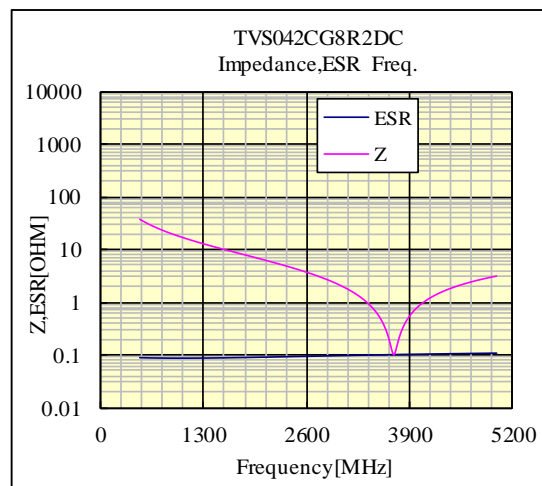
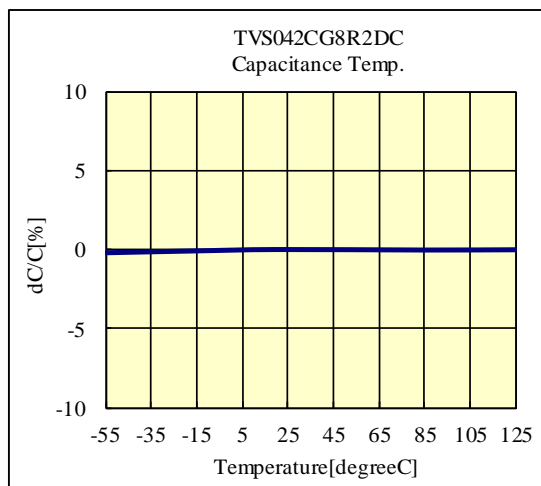
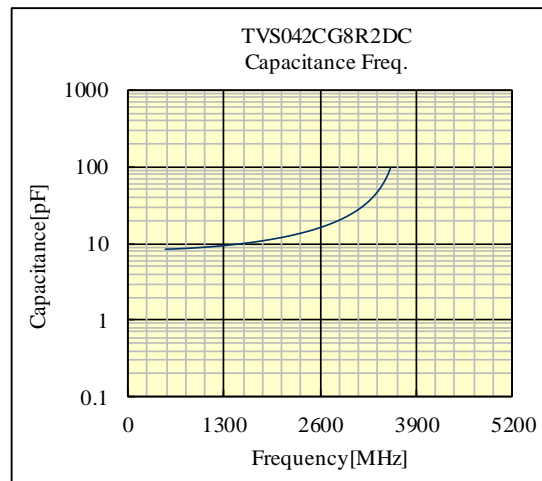
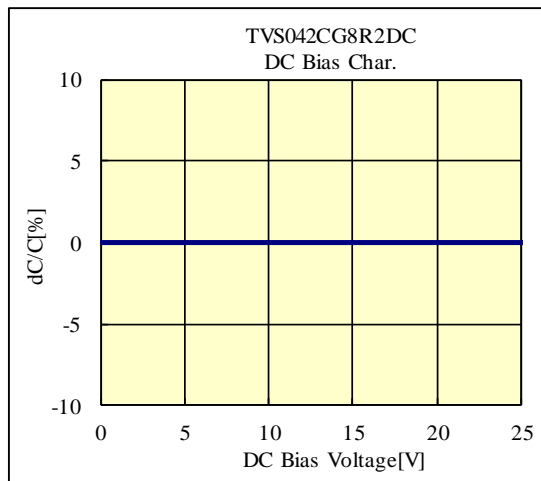
19CUD02

RoHS compliance product

### ○TVS042CG8R2DC

25V 0402 CG/C0G 8.2pF +/- 0.5pF t=0.22mmMAX

25V 01005 CG/C0G 8.2pF +/- 0.5pF t=0.009inchMAX



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Before making final selection, please check product specification.

Please read this notice before using the TAIYO YUDEN products.



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[>>Taiyo Yuden\(太阳诱电\)](#)