

Multilayer Ceramic Capacitors for High Frequency Applications

TVS042CG6R8CC-W



■ Features

- Item Summary  
6.8pF±0.25pF, 25V,  
C0G/CG, 01005/0402 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- Standard packaging quantity (minimum)  
Taping Embossed 40000pcs

■ Products characteristics table

Capacitance	6.8 pF ± 0.25pF
Case Size (EIA/JIS)	01005/0402
Rated Voltage	25 V
Q (min)	60 at 1GHz
Temperature Characteristic (EIA)	C0G
Operating Temp. Range (EIA)	-55 to +125 °C
Temperature Characteristic (JIS)	CG
Operating Temp. Range (JIS)	-55 to +125 °C
Temperature Characteristic	0 ±30 ppm/°C
High Temperature Loading (% Rated Voltage)	200 %
Insulation Resistance (min)	10 GΩ
RoHS Compliance (10 subst.)	Yes
REACH Compliance (209 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

■ External Dimensions

Dimension L	0.4 ±0.02 mm
Dimension W	0.2 ±0.02 mm
Dimension T	0.2 ±0.02 mm
Dimension e	0.10 ±0.03 mm

2021.07.01

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-

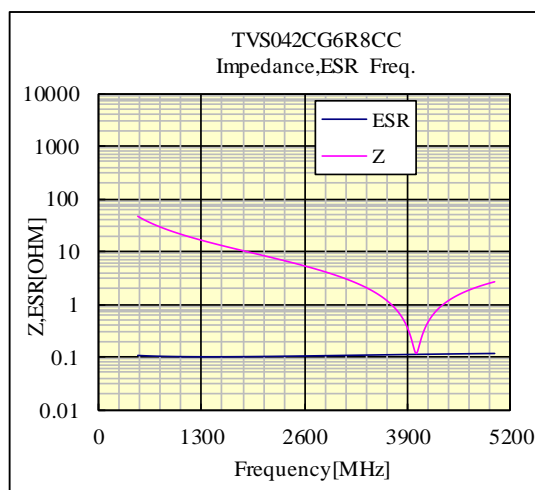
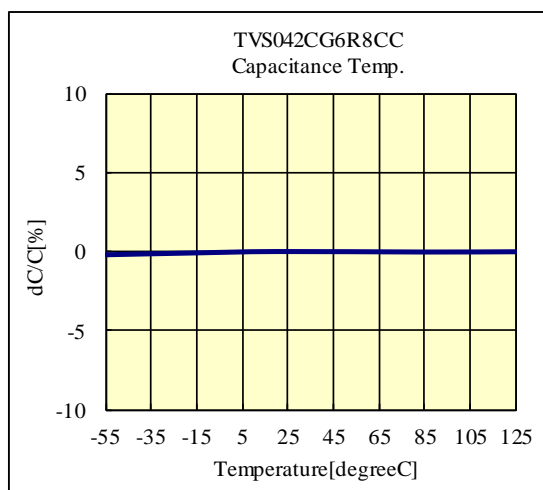
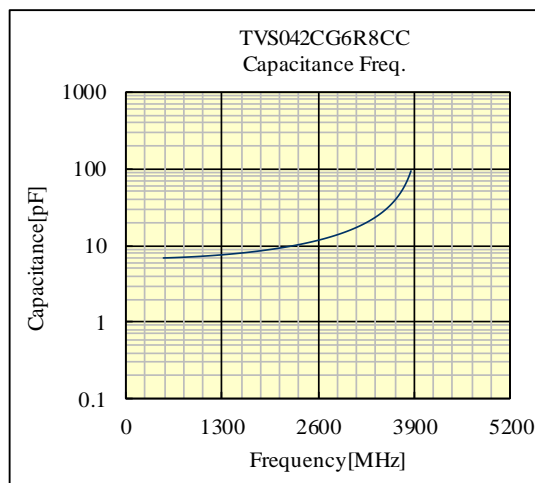
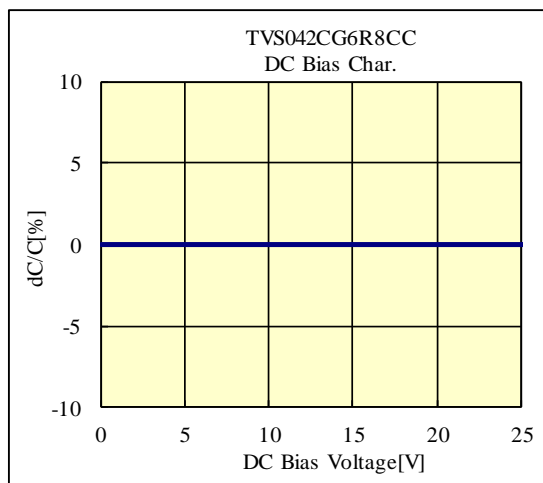
19CUD02

RoHS compliance product

### ○TVS042CG6R8CC

25V 0402 CG/C0G 6.8pF +/- 0.25pF t=0.22mmMAX

25V 01005 CG/C0G 6.8pF +/- 0.25pF 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.



## REMINDERS

- Please conduct validation and verification of our products in actual condition of mounting and operating environment before using our products.
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Please do not incorporate our products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment\*, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment).

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[>>Taiyo Yuden\(太阳诱电\)](#)