



**THE DATASHEET OF  
TVS042CG5R1BC-W**



## Multilayer Ceramic Capacitors

## TVS042CG5R1BC-W



## ■ Features

- Item Summary  
5.1pF±0.1pF, 25V,  
C0G/CG, 01005/0402 (EIA/JIS)
- Lifecycle Stage  
New PN available
- Standard packaging quantity (minimum)  
Taping Embossed 40000pcs

## ■ Products characteristics table

Capacitance	5.1 pF ± 0.1pF
Case Size (EIA/JIS)	01005/0402
Rated Voltage	25 V
Q (min)	75 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 (223 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

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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-

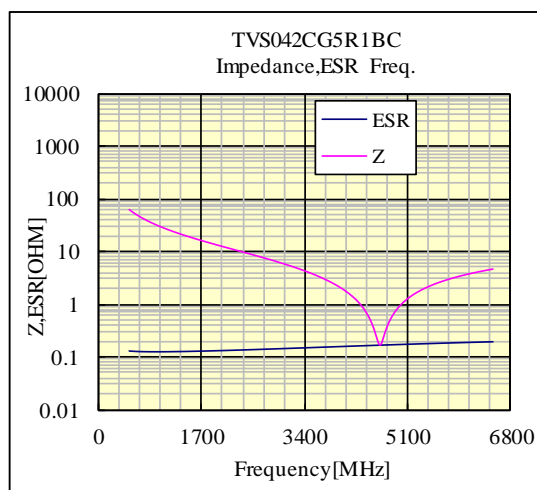
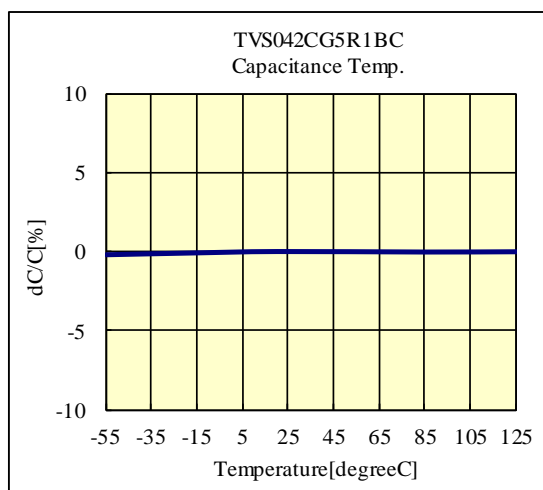
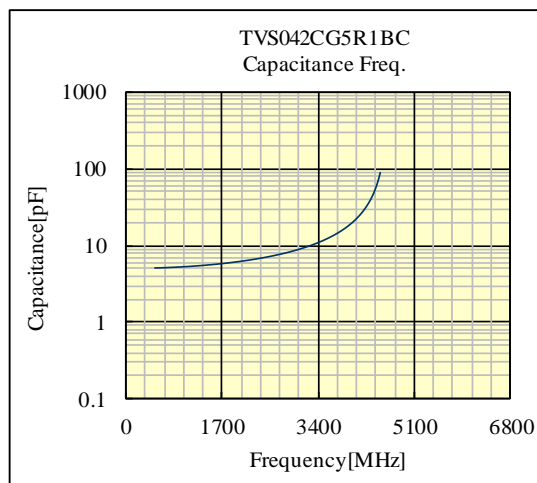
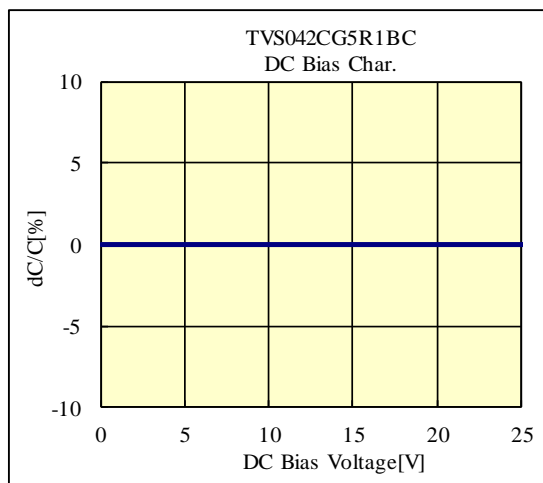
19CUD02

RoHS compliance product

### ○TVS042CG5R1BC

25V 0402 CG/C0G 5.1pF +/- 0.1pF t=0.22mmMAX

25V 01005 CG/C0G 5.1pF +/- 0.1pF t=0.009inchMAX



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