

Multilayer Ceramic Capacitors for High Frequency Applications

UVK105CG010BW-F



■ Features

- Item Summary
1pF $\pm$ 0.1pF, 50V,
C0G/CG, 0402/1005 (EIA/JIS)
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping paper 10000pcs

■ Products characteristics table

Capacitance	1 pF $\pm$ 0.1pF
Case Size (EIA/JIS)	0402/1005
Rated Voltage	50 V
Q (min)	300 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 $\pm$ 30 ppm/°C
High Temperature Loading (% Rated Voltage)	200 %
Insulation Resistance (min)	10 G Ω
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (181 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

■ External Dimensions

Dimension L	1.0 $\pm$ 0.05 mm
Dimension W	0.5 $\pm$ 0.05 mm
Dimension T	0.5 $\pm$ 0.05 mm
Dimension e	0.25 $\pm$ 0.10 mm

2018.03.10

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-

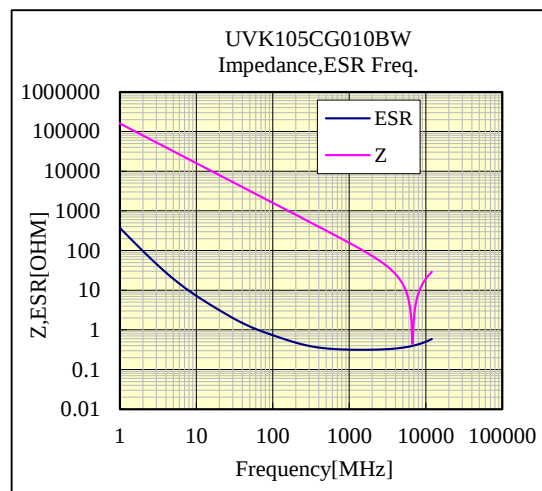
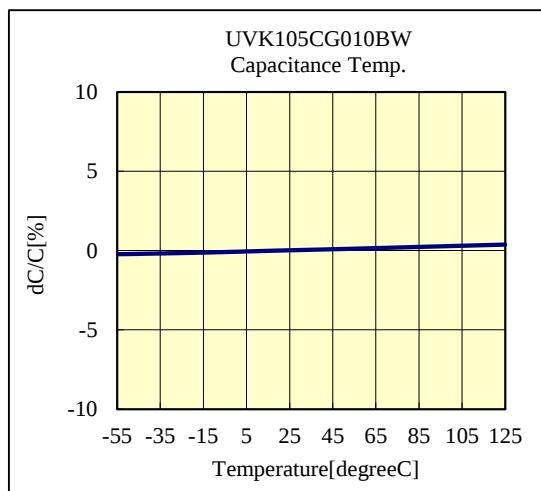
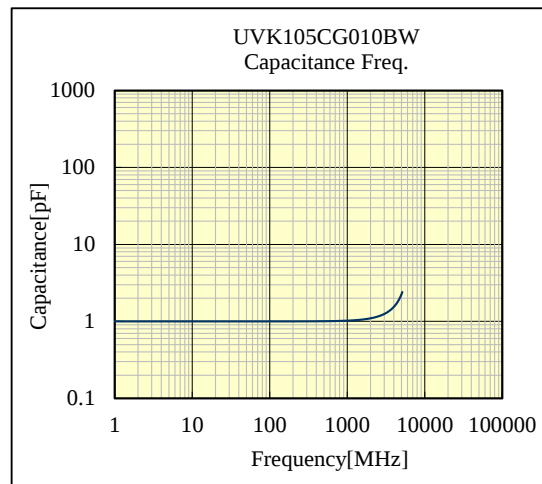
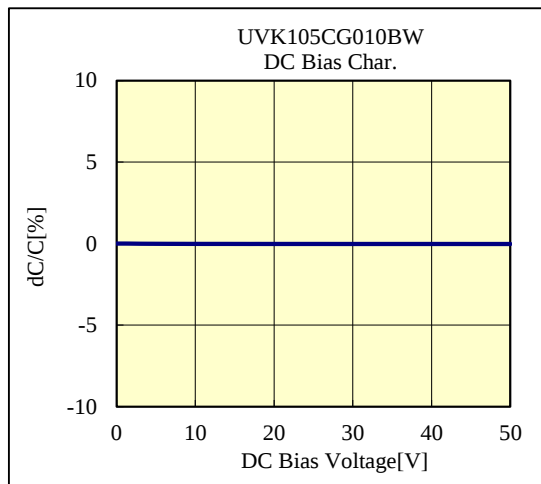
17RVD06

RoHS compliance product

○UVK105CG010BW

50V 1005 CG/C0G 1pF +/- 0.1pF t=0.55mmMAX

50V 0402 CG/C0G 1pF +/- 0.1pF t=0.022inchMAX



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Please read this notice before using the TAIYO YUDEN 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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