

## Super Low Distortion Multilayer Ceramic Capacitors

## EMK107SD103KA-T



## ■ Features

- Item Summary  
0.01 $\mu$ F $\pm$ 10%, 16V,  
LowDistortionStandard, 0603/1608 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- Standard packaging quantity (minimum)  
Taping Paper 4000pcs

## ■ Products characteristics table

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Capacitance                                   | 0.01 $\mu$ F $\pm$ 10 %  |
| Case Size (EIA/JIS)                           | 0603/1608                |
| Rated Voltage                                 | 16 V                     |
| $\tan \delta$ (max)                           | 0.1 %                    |
| Operating Temp. Range (EIA)                   | -55 to +125 $^{\circ}$ C |
| Operating Temp. Range (JIS)                   | -55 to +125 $^{\circ}$ 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 | 1.6 $\pm$ 0.10 mm  |
| Dimension W | 0.8 $\pm$ 0.10 mm  |
| Dimension T | 0.8 $\pm$ 0.10 mm  |
| Dimension e | 0.35 $\pm$ 0.25 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

TAIYO YUDEN

-Electrical Characteristics Data-

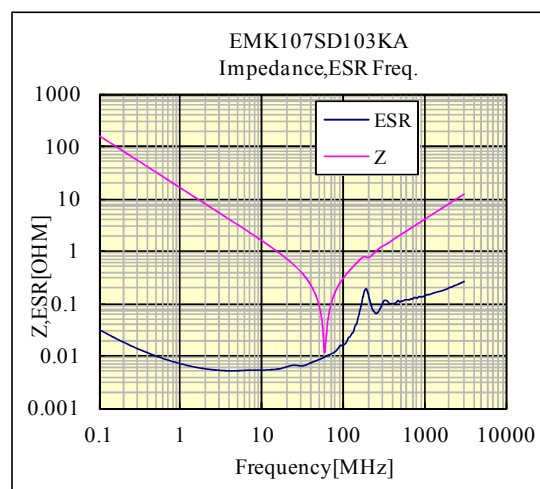
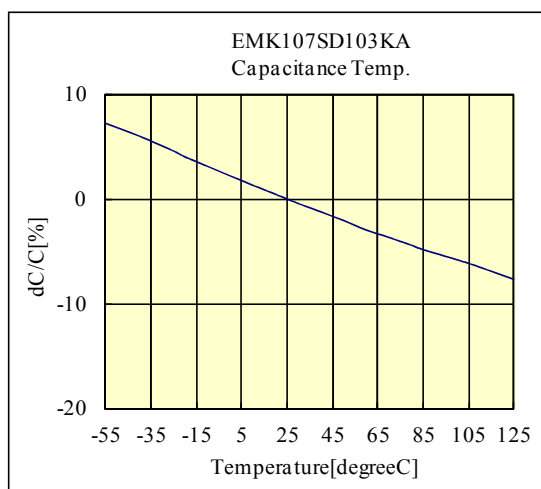
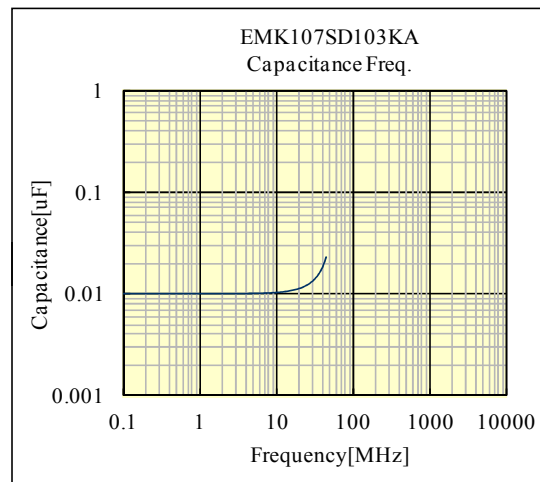
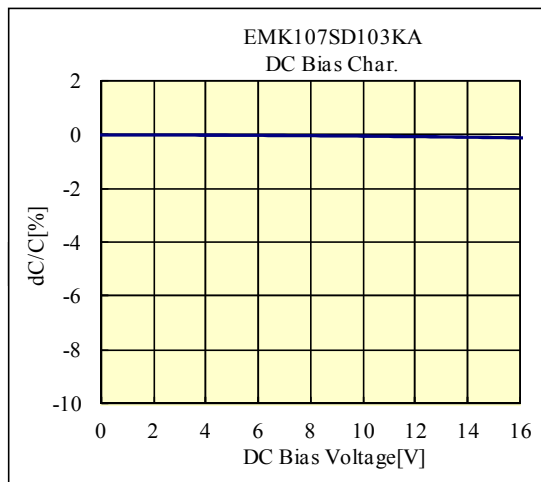
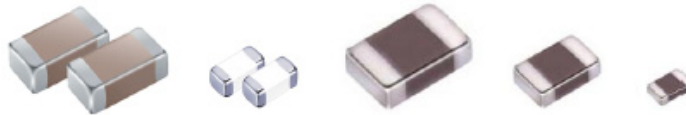
16CJA02

RoHS compliance product

## ○EMK107SD103KA

16V 1608 0.01 $\mu$ F +/- 10% t=0.9mmMAX

16V 0603 0.01 $\mu$ F +/- 10% t=0.035inchMAX



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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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