

# Spec Sheet

MLCC (High dielectric type) for Telecommunications Infrastructure and Industrial Equipment / Medical Devices

## AMK105BBJ475MV8F



### ■ Features

- Item Summary  
4.7uF±20%, 4V,  
X5R, 0402/1005 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- Standard packaging quantity (minimum)  
Taping Paper 10000pcs

### ■ Products characteristics table

|   |               |
|---|---------------|
| Capacitance                                   | 4.7 uF ± 20 % |
| Case Size (EIA/JIS)                           | 0402/1005     |
| Rated Voltage                                 | 4 V           |
| tan δ (max)                                   | 10 %          |
| Temperature Characteristic (EIA)              | X5R           |
| Operating Temp. Range (EIA)                   | -55 to +85 °C |
| High Temperature Loading<br>(% Rated Voltage) | 150 %         |
| Insulation Resistance (min)                   | 100 MΩ · μF   |
| RoHS Compliance (10 subst.)                   | Yes           |
| REACH Compliance (209 subst.)                 | Yes           |
| Halogen Free                                  | Yes           |
| Soldering                                     | Reflow        |

### ■ External Dimensions

|             |                    |
|-------------|--------------------|
| Dimension L | 1.0 +0.15/-0.05 mm |
| Dimension W | 0.5 +0.15/-0.05 mm |
| Dimension T | 0.5 +0.15/-0.05 mm |
| Dimension e | 0.25 ±0.10 mm      |

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.

2021.07.01

## Multi Layer Ceramic Capacitor

-Electrical Characteristics Data-

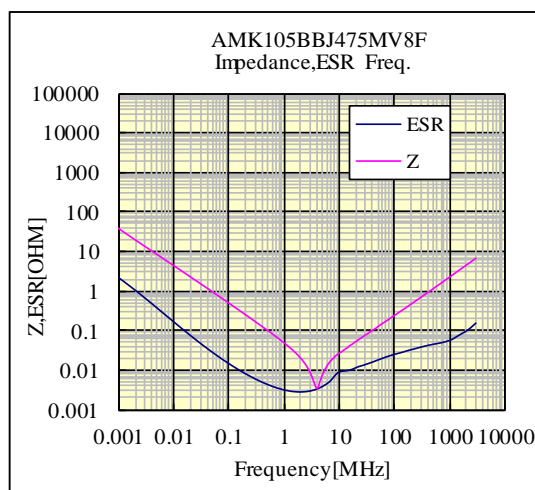
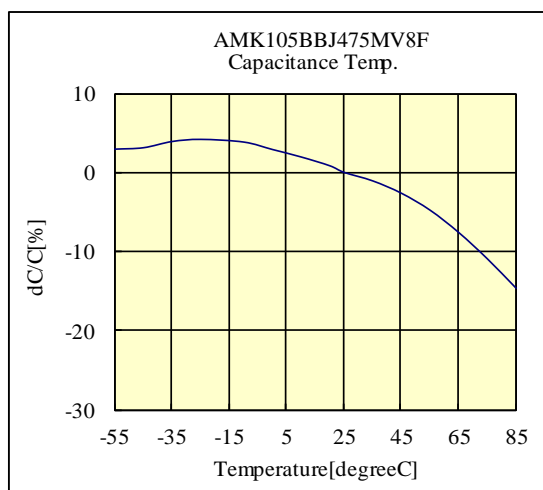
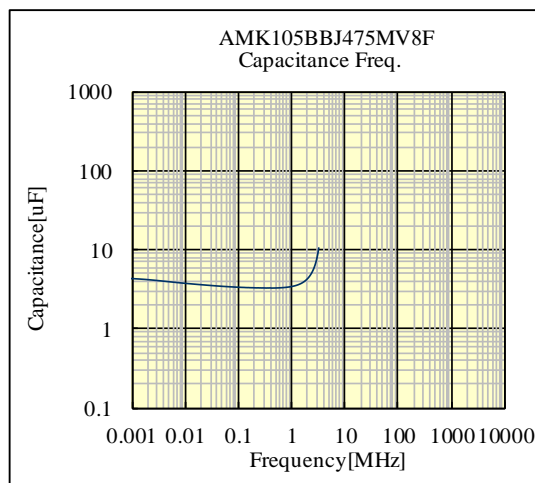
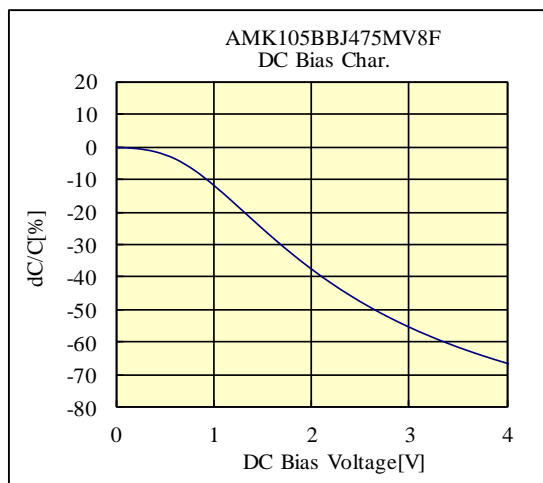
18SC06

RoHS compliance product

### ○AMK105BBJ475MV8F

4V 1005 X5R 4.7uF +/- 20% t=0.65mmMAX

4V 0402 X5R 4.7uF +/- 20% t=0.026inchMAX



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Before making final selection, please check product specification.

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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\(太阳诱电\)](#)