

## MLCC for Automotive (POWERTRAIN, SAFETY) Applications

## EMF212B7105KGHT



## ■ Features

- Item Summary  
1 $\mu$ F $\pm$ 10%, 16V,  
X7R, 0805/2012 (EIA/JIS)
- Lifecycle Stage  
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Embossed 3000pcs

## ■ Products characteristics table

Capacitance	1 $\mu$ F $\pm$ 10 %
Case Size (EIA/JIS)	0805/2012
Rated Voltage	16 V
$\tan \delta$ (max)	10 %
Temperature Characteristic (EIA)	X7R
Operating Temp. Range (EIA)	-55 to +125 °C
High Temperature Loading (% Rated Voltage)	200 %
Insulation Resistance (min)	100 M $\Omega$ · $\mu$ F
RoHS Compliance (10 subst.)	Yes
REACH Compliance (209 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

## ■ External Dimensions

Dimension L	2.0 $\pm$ 0.10 mm
Dimension W	1.25 $\pm$ 0.10 mm
Dimension T	1.25 $\pm$ 0.10 mm
Dimension e	0.50 $\pm$ 0.25 mm

2021.09.29

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

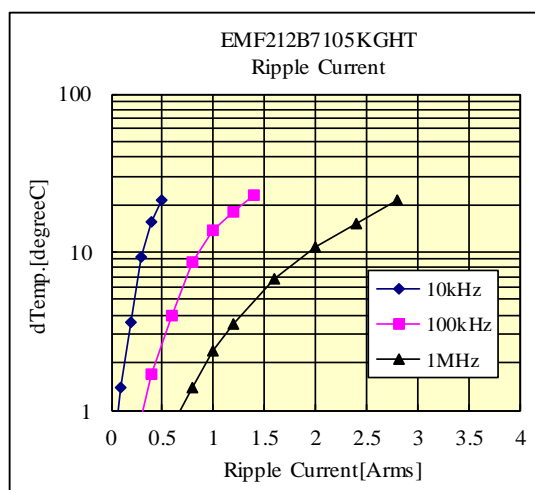
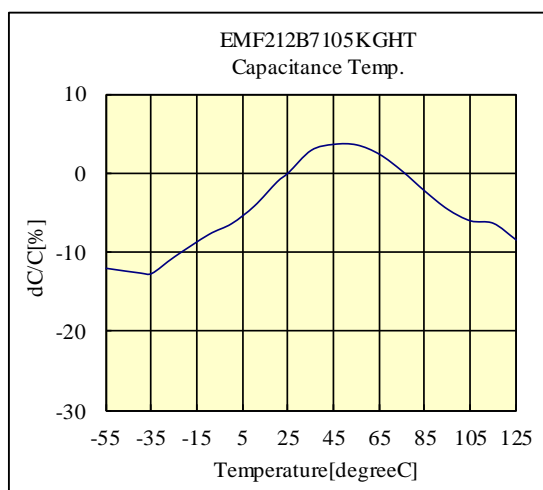
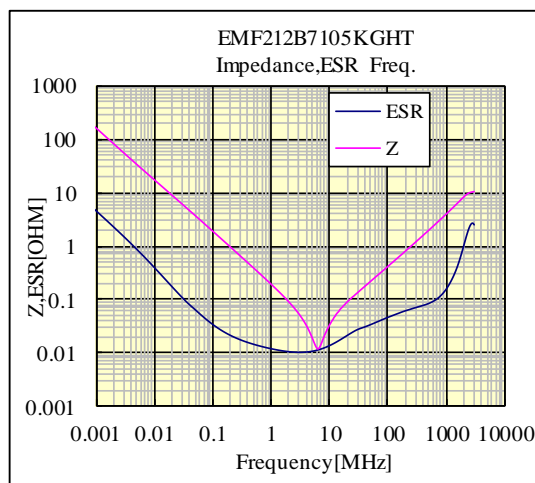
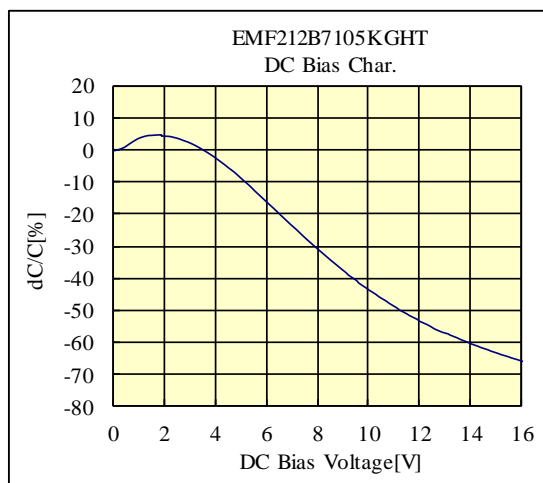
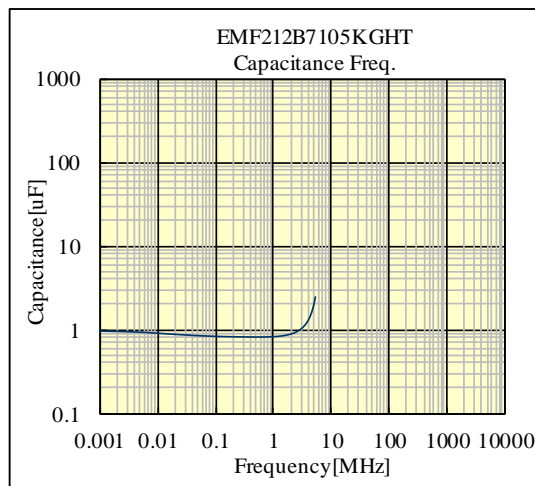
-Electrical Characteristics Data-

20R2A03

RoHS compliance product

### ○EMF212B7105KGHT

**16V 2012 X7R 1uF +/- 10% t=1.35mmMAX**  
**16V 0805 X7R 1uF +/- 10% t=0.053inchMAX**



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