

Medium-High Voltage MLCC for Automotive / Industrial Applications

HMK212B7224MGHT



■ Features

- Item Summary  
100V, X7R, 0.22  $\mu$ F,  $\pm$ 20%, 0805
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Embossed 3000pcs

■ Products characteristics table

|                                       |                               |
|---------------------------------------|-------------------------------|
| CaseSize (EIA/JIS)                    | 0805/2012                     |
| Rated Voltage (max)                   | 100V                          |
| Capacitance                           | 0.22 $\mu$ F                  |
| Capacitance Tolerance                 | $\pm$ 20%                     |
| Resistance                            | 100 M $\Omega$ · $\mu$ F min. |
| Dielectric Loss Tangent               | 3.5%MAX                       |
| Temperature Characteristics (EIA/JIS) | X7R/-                         |
| Temperature Range (EIA/JIS)           | -55 to +125 $^{\circ}$ C/-    |
| Capacitance Change (EIA/JIS)          | $\pm$ 15/-%                   |
| RoHS Compliance                       | Yes                           |
| Halogen Free                          | Yes                           |
| Soldering Method                      | Reflow                        |

■ External Dimensions

|   |                   |
|---|-------------------|
| L | 2.0mm $\pm$ 0.10  |
| W | 1.25mm $\pm$ 0.10 |
| T | 1.25mm $\pm$ 0.10 |
| e | 0.5mm $\pm$ 0.25  |

2015.02.03

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
 TAIYO YUDEN reserves the right to make change to the Date at any time without notice.  
 Before making final selection, please check product specification.

# Multi Layer Ceramic Capacitor **TAIYO YUDEN**

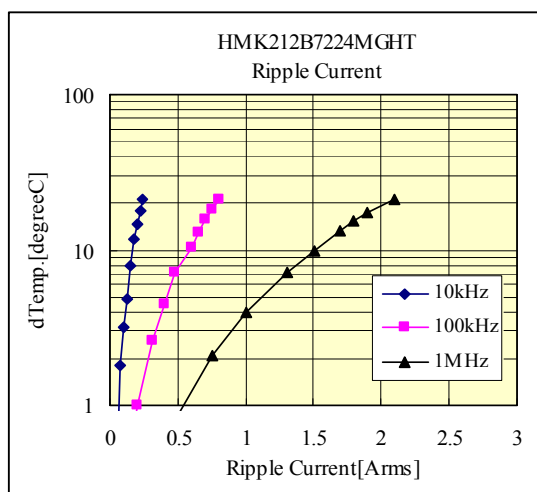
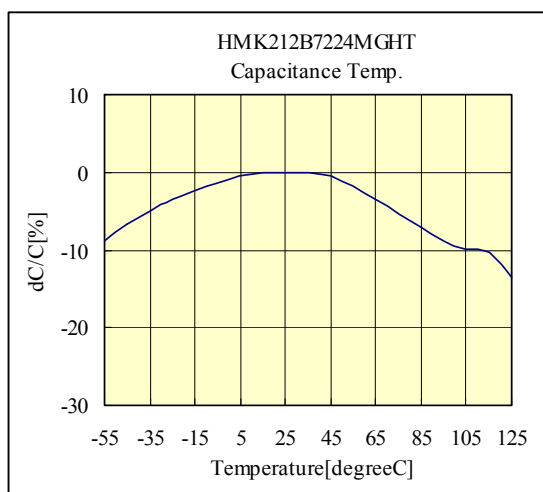
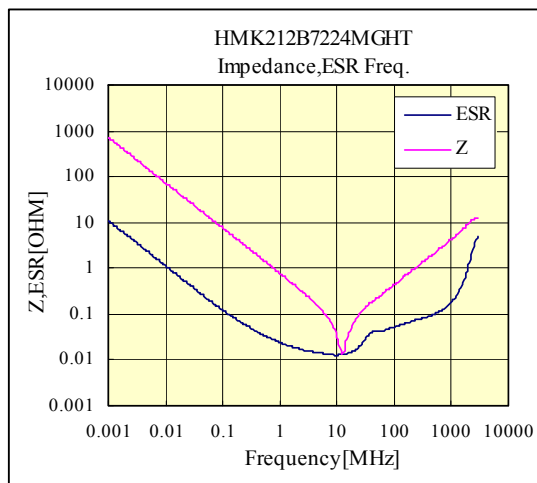
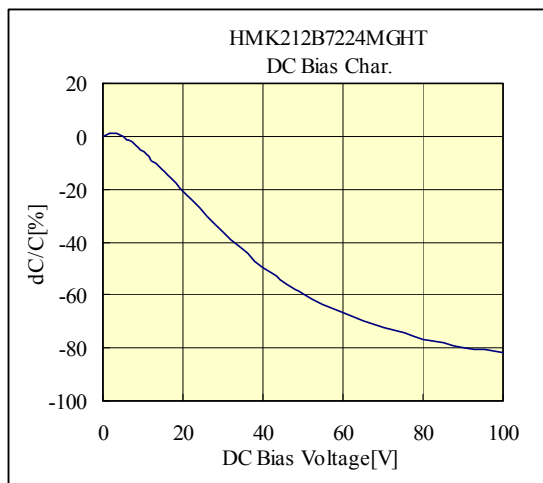
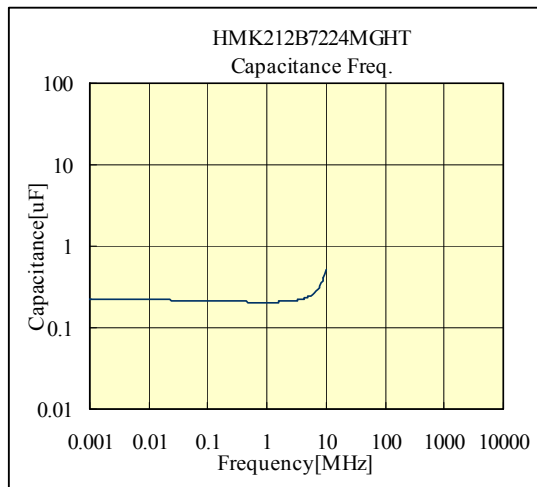
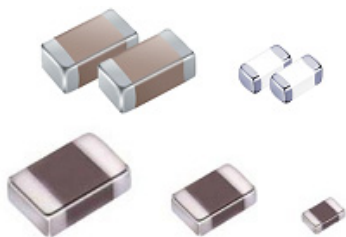
-Electrical Characteristics Data-

13U1A01

RoHS compliance product

## ○HMK212B7224MGHT

**100V 2012 X7R 0.22 $\mu$ F +/- 20% t=1.35mmMAX**  
**100V 0805 X7R 0.22 $\mu$ F +/- 20% t=0.053inchMAX**



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