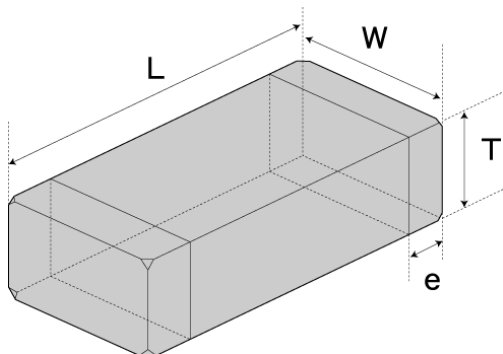


## Spec Sheet

Multilayer Ceramic Capacitors (High dielectric type) for Automotive / Industrial Applications

# LMK316AB7106MLHT



### ■ Features

- Item Summary  
10V, X7R, 10  $\mu$ F,  $\pm 20\%$ , 1206
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Embossed 2000pcs

### ■ Products characteristics table

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| CaseSize (EIA/JIS)                    | 1206/3216                           |
| Rated Voltage (max)                   | 10V                                 |
| Capacitance                           | 10 $\mu$ F                          |
| Capacitance Tolerance                 | $\pm 20\%$                          |
| Resistance                            | 100 M $\Omega$ $\cdot$ $\mu$ F min. |
| Dielectric Loss Tangent               | 10%MAX                              |
| Temperature Characteristics (EIA/JIS) | X7R/-                               |
| Temperature Range (EIA/JIS)           | -55 to +125°C/-                     |
| Capacitance Change (EIA/JIS)          | $\pm 15/-\%$                        |
| RoHS Compliance                       | Yes                                 |
| Halogen Free                          | Yes                                 |
| Soldering Method                      | Reflow                              |

### ■ External Dimensions

|   |                   |
|---|-------------------|
| L | 3.2mm $\pm 0.20$  |
| W | 1.6mm $\pm 0.20$  |
| T | 1.6mm $\pm 0.20$  |
| e | 0.5mm +0.35/-0.25 |

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.

2015.01.28

# Multi Layer Ceramic Capacitor

-Electrical Characteristics Data-

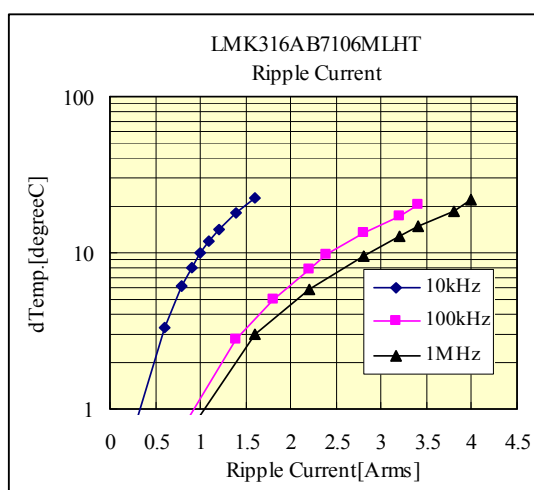
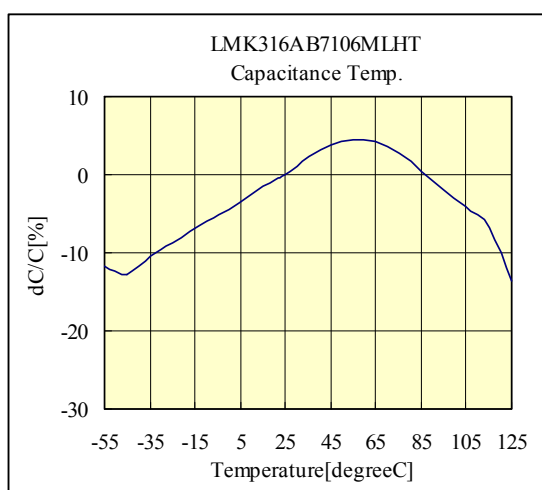
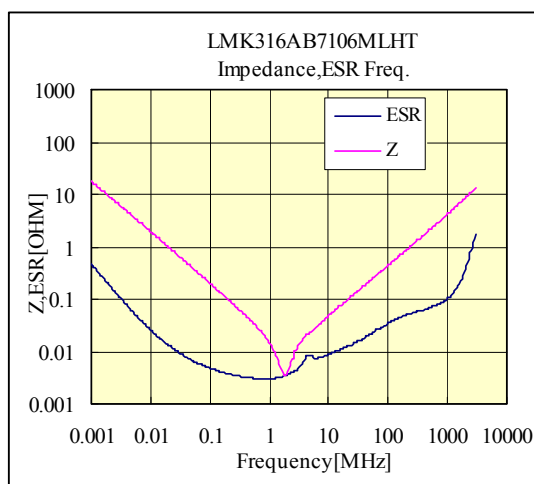
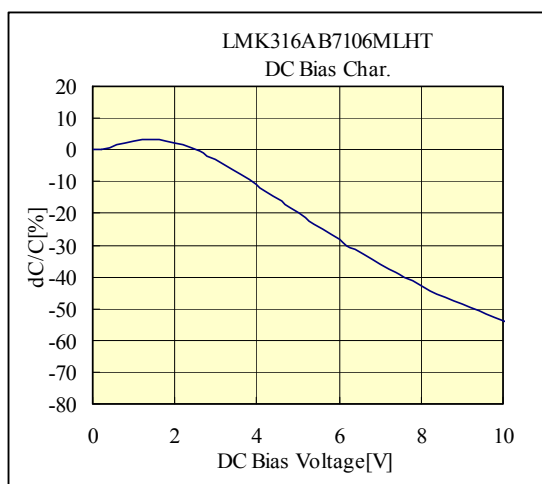
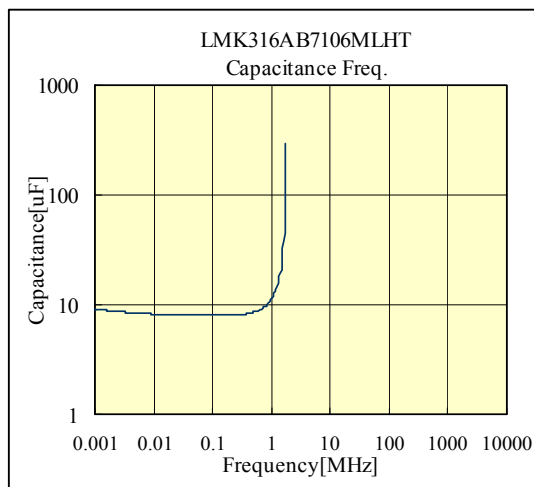
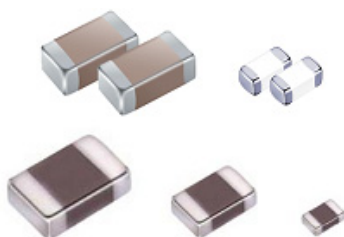
12LA10

RoHS compliance product

## ○LMK316AB7106MLHT

10V 3216 X7R 10 $\mu$ F  $\pm$  20%  $t=1.8\text{mmMAX}$

10V 1206 X7R 10 $\mu$ F  $\pm$  20%  $t=0.071\text{inchMAX}$



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