

## Soft Termination MLCC for Automotive / Industrial Applications

### SMJ316B7102MFHT



#### ■ Features

- Item Summary  
630V, X7R, 0.001  $\mu$ F,  $\pm$ 20%, 1206
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
Taping Embossed 3000pcs

#### ■ Products characteristics table

CaseSize (EIA/JIS)	1206/3216
Rated Voltage (max)	630V
Capacitance	0.001 $\mu$ F
Capacitance Tolerance	$\pm$ 20%
Resistance	10,000 M $\Omega$ min.
Dielectric Loss Tangent	2.5%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	3.2mm $\pm$ 0.15
W	1.6mm $\pm$ 0.15
T	1.15mm $\pm$ 0.10
e	0.6mm +0.4/-0.3

2015.02.23

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-

Mar-2014

RoHS compliance product

## ○QMJ212KB7102K(M)DHT

250V 2012 X7R 1000pF +/-10(20)% t=1.0mmMAX  
250V 0805 X7R 1000pF +/-10(20)% t=0.039inchMAX

## ○HMJ212BB7104K(M)GHT

100V 2012 X7R 0.1uF +/-10(20)% t=1.45mmMAX  
100V 0805 X7R 0.1uF +/-10(20)% t=0.057inchMAX

## ○SMJ316B7102K(M)FHT

630V 3216 X7R 1000pF +/-10(20)% t=1.25mmMAX  
630V 1206 X7R 1000pF +/-10(20)% t=0.049inchMAX

## ○LMJ316BB7226K(M)LHT

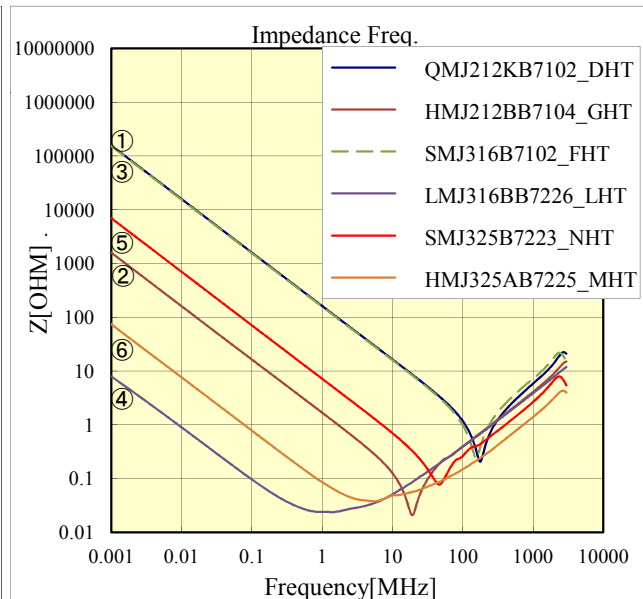
10V 3216 X7R 22uF +/-10(20)% t=1.9mmMAX  
10V 1206 X7R 22uF +/-10(20)% t=0.075inchMAX

## ○SMJ325B7223K(M)NHT

630V 3225 X7R 0.022uF +/-10(20)% t=2.1mmMAX  
630V 1210 X7R 0.022uF +/-10(20)% t=0.083inchMAX

## ○HMJ325AB7225K(M)MHT

100V 3225 X7R 2.2uF +/-10(20)% t=2.8mmMAX  
100V 1210 X7R 2.2uF +/-10(20)% t=0.11inchMAX



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