TDK

Multilayer Ceramic Chip Capacitors

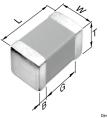### C3216CH2E103K115AA

RoHS | REACH SVHC-Free | Halogen Free | Lead Free

TDK item description	C3216CH2E103KT****
Applications	Commercial Grade
Feature	Mid Mid Voltage (100 to 630V)
Series	C3216 [EIA 1206]
Status	Production (Not Recommended for New Design)

Dimensions in mm

Size	
Length(L)	3.20mm ±0.20mm
Width(W)	1.60mm ±0.20mm
Thickness(T)	1.15mm ±0.15mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	
Recommended Land Pattern (PA)	2.10mm to 2.50mm(Flow Soldering)
	2.00mm to 2.40mm(Reflow Soldering)
Recommended Land Pattern (PB)	1.10mm to 1.30mm(Flow Soldering)
	1.00mm to 1.20mm(Reflow Soldering)
Recommended Land Pattern (PC)	1.00mm to 1.30mm(Flow Soldering)
	1.10mm to 1.60mm(Reflow Soldering)

Electrical Characteristics	
Capacitance	10nF ±10%
Rated Voltage	250VDC
Temperature Characteristic	CH(0±60ppm/°C)
Q (Min.)	1000
Insulation Resistance (Min.)	10000MΩ

Other	
Soldering Method	Wave (Flow)
	Reflow
AEC-Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs

! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

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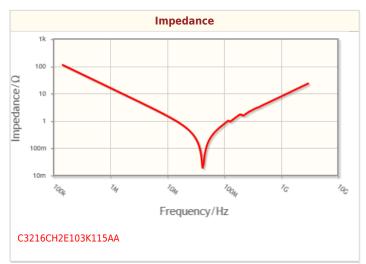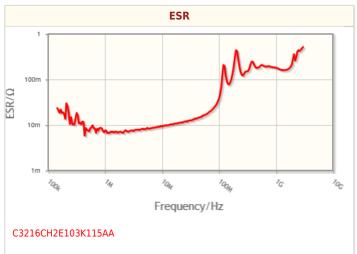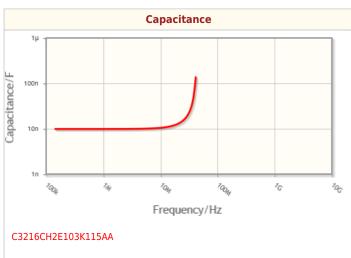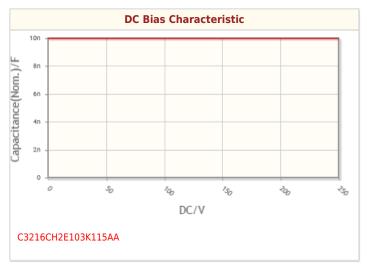
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Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance

C3216CH2E103K115AA

ESR

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Capacitance

C3216CH2E103K115AA

DC Bias Characteristic

C3216CH2E103K115AA

Temperature Characteristic

C3216CH2E103K115AA(No Bias)   C3216CH2E103K115AA(DC Bias = 125V)
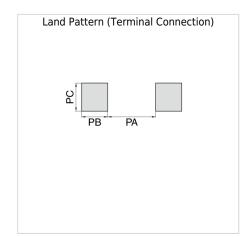
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Associated Images

Land Pattern (Terminal Connection)

PC

PB PA