

## Product Status

Production

## TDK Item Description

CGA3E2X8R1H102KT\*\*\*B

## Applications

Automotive Grade

AEC-Q200

## Feature

150°C High Temperature Application

GlueConductive Epoxy Application

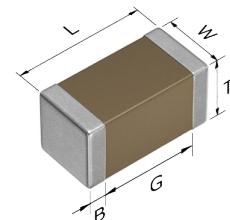
## Series

CGA3(1608) [EIA 0603]

## Brand

TDK

## Environmental Compliance



## Size

Length(L)	1.60mm $\pm 0.15$ mm
Width(W)	0.80mm $\pm 0.15$ mm
Thickness(T)	0.80mm $\pm 0.15$ mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.30mm Min.
Recommended Land Pattern (PA)	0.70mm to 1.00mm
Recommended Land Pattern (PB)	0.80mm to 1.00mm
Recommended Land Pattern (PC)	0.60mm to 0.80mm

## Electrical Characteristics

Capacitance	1nF $\pm 10\%$
Rated Voltage	50VDC
Temperature Characteristic	X8R( $\pm 15\%$ )
Dissipation Factor (Max.)	3%
Insulation Resistance (Min.)	10000M $\Omega$

## Other

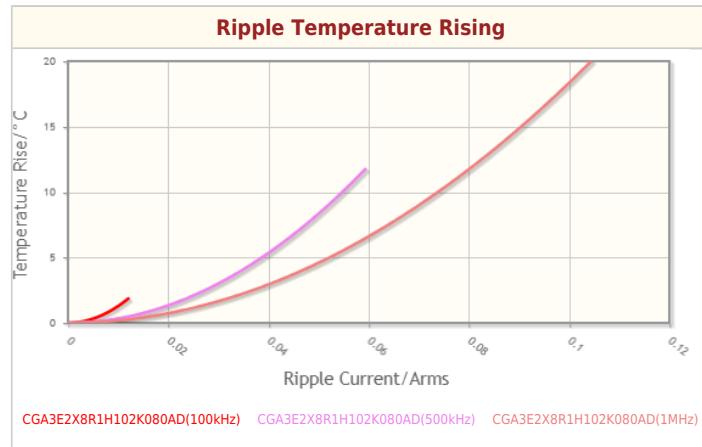
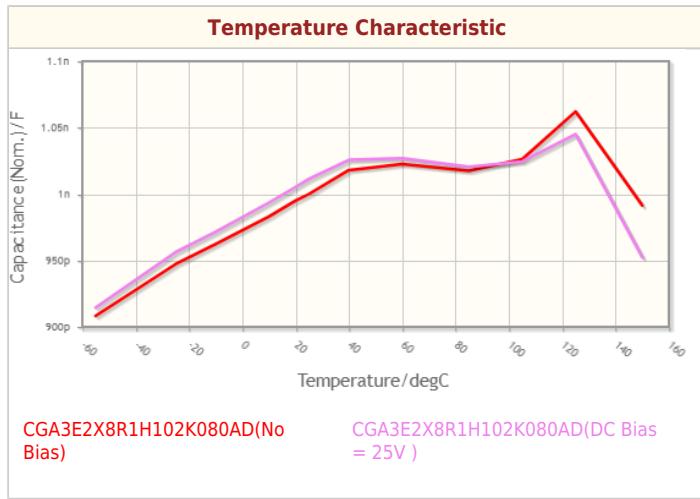
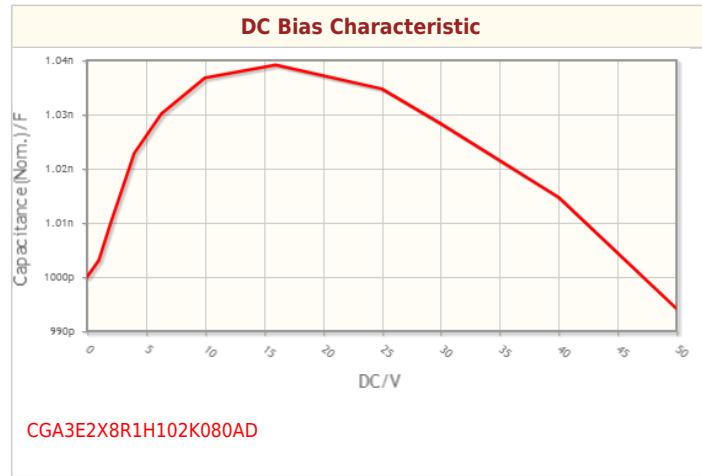
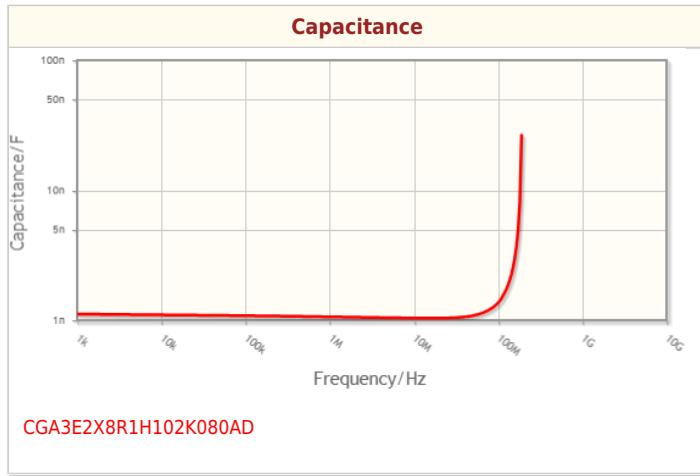
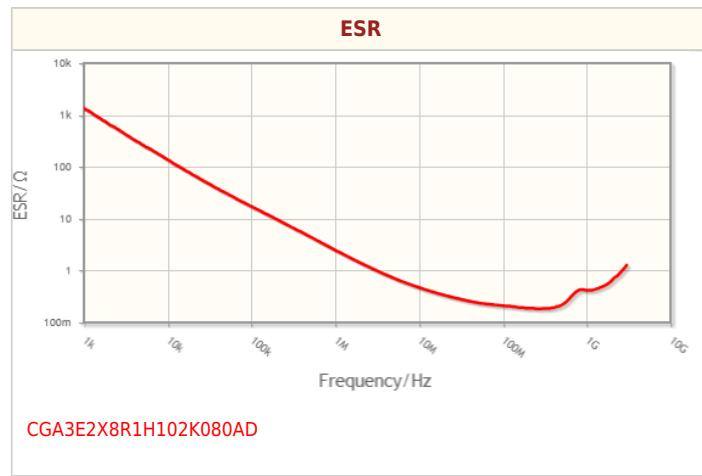
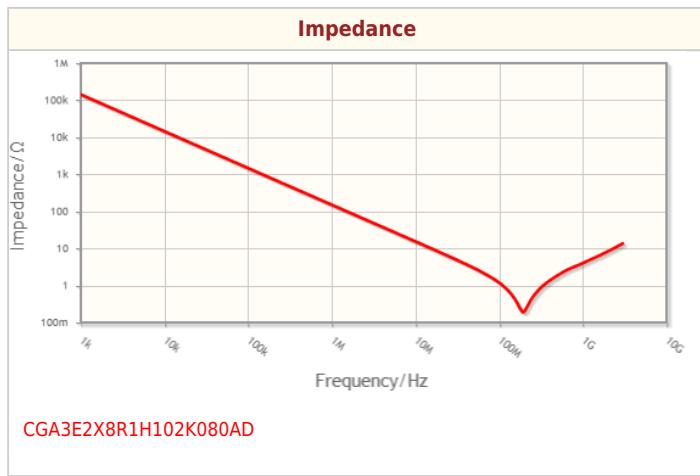
Operating Temp. Range	-55 to 150°C
Soldering Method	Conductive Epoxy
AEC-Q200	YES
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs

! 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.

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



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