

Product Status

Production

TDK Item Description

C3216X7R1H225KT***S

Applications

Commercial Grade

Please refer to Part No. [CGA5L3X7R1H225K160AE](#) for Automotive use.

Feature

Soft Termination

Series

C3216 [EIA 1206]

Brand

TDK

Environmental

Compliance



RoHS



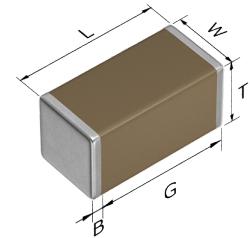
REACH



Halogen Free



Lead Free



Size

Length(L) 3.20mm +0.40,-0.20mm

Width(W) 1.60mm +0.30,-0.20mm

Thickness(T) 1.60mm +0.30,-0.20mm

Terminal Width(B) 0.20mm Min.

Terminal Spacing(G) 1.00mm Min.

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 2.2 μ F \pm 10%

Rated Voltage 50VDC

Temperature Characteristic X7R(\pm 15%)

Dissipation Factor (Max.) 5%

Insulation Resistance (Min.) 227M Ω

Other

Operating Temp. Range -55 to 125°C

Soldering Method Wave (Flow)
Reflow

AEC-Q200 NO

Packing Embossed (Plastic)Taping [180mm Reel]

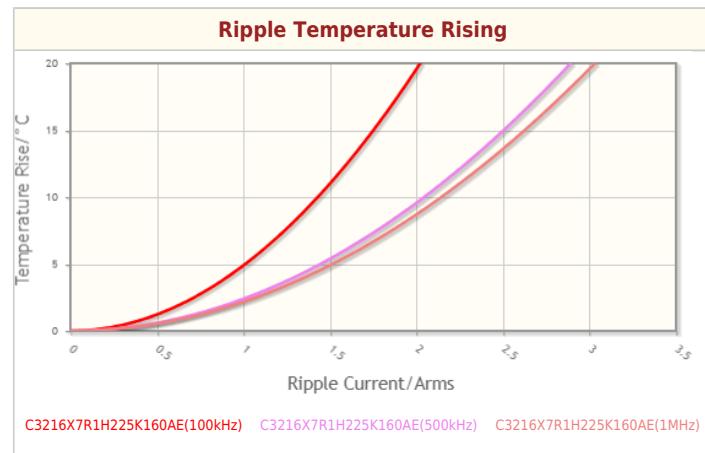
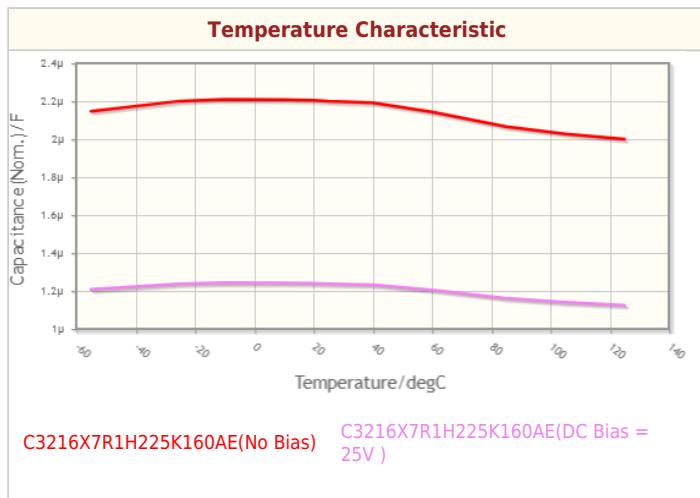
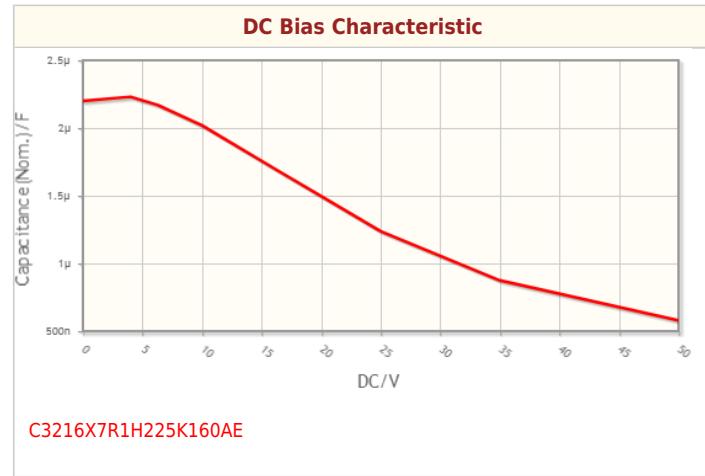
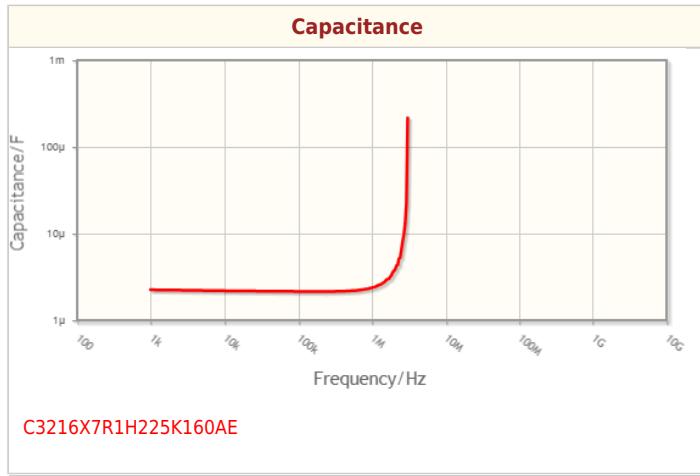
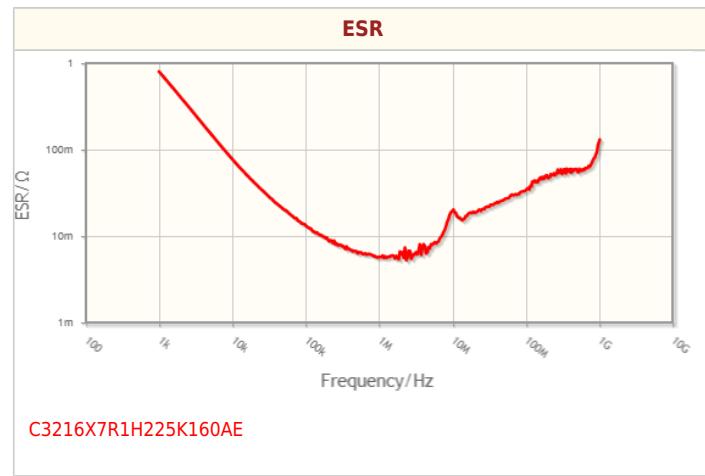
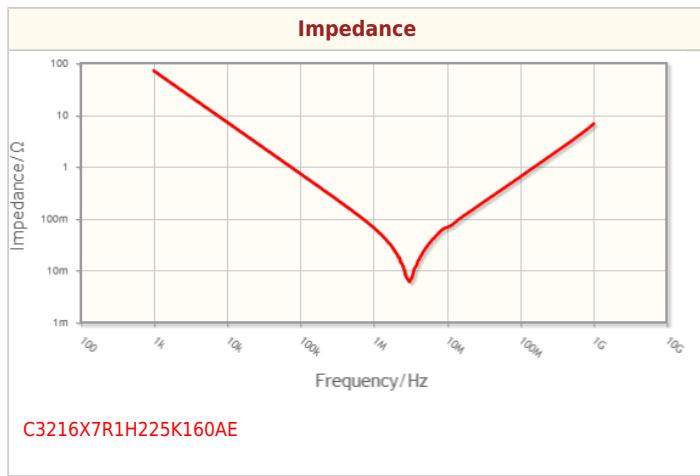
Package Quantity 2000pcs

! 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.

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

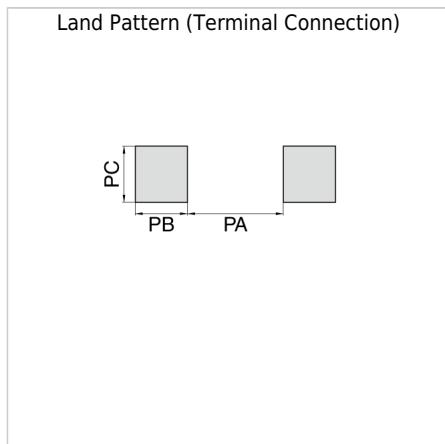


! Images are for reference only and show exemplary products.

! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

Associated Images



! 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.