



C Series—General Applications MLCC Kit

Consumer Grade General Applications 3216 Capacitor Kit



The TDK C Series general application MLCCs are utilized for purposes such as transient suppression, bypassing, smoothing, decoupling, filtering, blocking, and timing. While MLCCs may appear basic in nature, current product trends require MLCCs to provide superior electrical characteristics and reliability. TDK has accomplished this call through its ceramic dielectric thin-layer and multi-layering technologies, supreme quality control measures, and extensive research and development to improve capacitance and dependability to the industry's highest levels.

Features

- High capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers
- A monolithic structure ensures superior mechanical strength and reliability
- Low ESL and excellent frequency characteristics allow for a circuit design that closely conforms to theoretical values
- Low self-heating and high ripple resistance due to low ESR
- RoHS, WEE, and REACH compliant

Up to 50V

High Cap

Consumer



Applications

- General Electronic Equipment
- DC to DC Converters
- Wearable Medical Devices
- Portable Electronic Equipment
- Office Automation Equipment
- Servers, PCs, Notebooks, Tablets

[Datasheet](#)

C31-HC01-E6-KIT General Applications Kit Includes:

Case Size: 3216 (EIA 1206)
Rated Voltage: 10V-50V
Capacitance Range: 0.22 μ F-100 μ F

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C31-HC01-E6-KIT Board Flex Solutions Kit Includes:

TDK Item List	Item Description
C3216X7R1H224K115AA	General Purpose MLCC - SMD/SMT - 1206 .22uF 50V X7R ±10%
C3216X7R1H334K160AA	General Purpose MLCC - SMD/SMT - 1206 .33uF 50V X7R ±10%
C3216X7R1H474K160AA	General Purpose MLCC - SMD/SMT - 1206 .47uF 50V X7R ±10%
C3216X7R1H684K160AA	General Purpose MLCC - SMD/SMT - 1206 .68uF 50V X7R ±10%
C3216X7R1H105K160AB	General Purpose MLCC - SMD/SMT - 1206 1uF 50V X7R ±10%
C3216X7R1H155K160AB	General Purpose MLCC - SMD/SMT - 1206 1.5uF 50V X7R ±10%
C3216X7R1H225K160AB	General Purpose MLCC - SMD/SMT - 1206 2.2uF 50V X7R ±10%
C3216X7R1H335K160AC	General Purpose MLCC - SMD/SMT - 1206 3.3uF 50V X7R ±10%
C3216X7R1H475K160AC	General Purpose MLCC - SMD/SMT - 1206 4.7uF 50V X7R ±10%
C3216X7R1E685K160AB	General Purpose MLCC - SMD/SMT - 1206 6.8uF 25V X7R ±10%
C3216X7R1E106K160AB	General Purpose MLCC - SMD/SMT - 1206 10uF 25V X7R ±10%
C3216X5R1H106K160AB	General Purpose MLCC - SMD/SMT - 1206 10uF 50V X5R ±10%
C3216X5R1E156M160AB	General Purpose MLCC -SMD/SMT - 1206 15µF 25V X5R ±20%
C3216X7S1A226M160AC	General Purpose MLCC - SMD/SMT - 1206 22uF 10V X7S ±20%
C3216X5R1V226M160AC	General Purpose MLCC - SMD/SMT - 1206 22uF 35V X5R ±20%
C3216X5R1E336M160AC	General Purpose MLCC - SMD/SMT - 1206 33uF 25V X5R ±20%
C3216X5R1E476M160AC	General Purpose MLCC - SMD/SMT - 1206 47uF 25V X5R ±20%
C3216X5R1A686M160AC	General Purpose MLCC -SMD/SMT - 1206 68µF 10V X5R ±20%
C3216X5R1A107M160AC	General Purpose MLCC - SMD/SMT - 1206 100uF 10V X5R ±20%

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[C1608CH1H151J080AA](#) [C2012JB1H105K125AB](#) [C4532NP01H154J250KA](#) [CD75-B2GA331KYGKA](#) [CLF10040T-221M](#) [CLF12555T-](#)
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