

# Electrical Characteristics Data

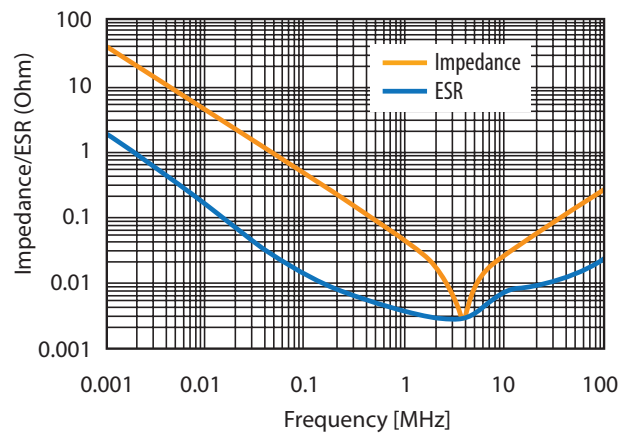
Venkel P/N: **C0402X5R100-475KNP**

Part Description: 0402, X5R, 10V, 4.7uF,  $\pm 10\%$

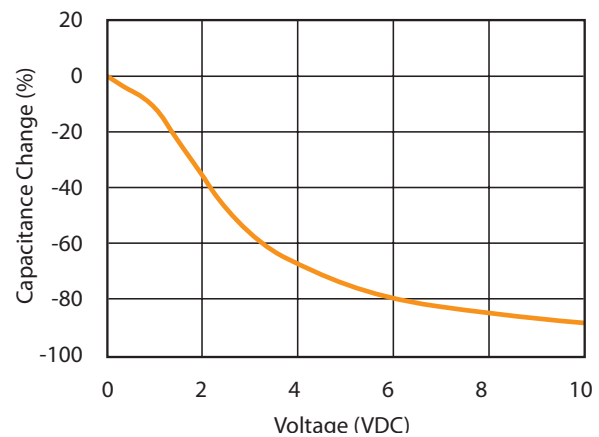
Test Specifications:

Test Frequency	1KHz $\pm$ 100Hz
Test Voltage	1.0Vrms $\pm$ 0.2Vrms
Test Equipment	Agilent 4294A, 4284A, and 4287A with 16034G & 16197A test fixtures

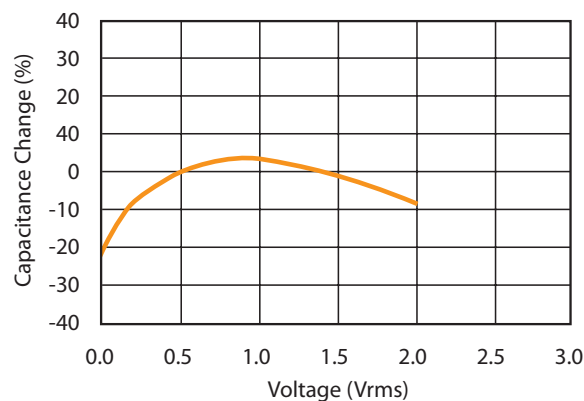
## 1. Impedance/ESR vs. Frequency



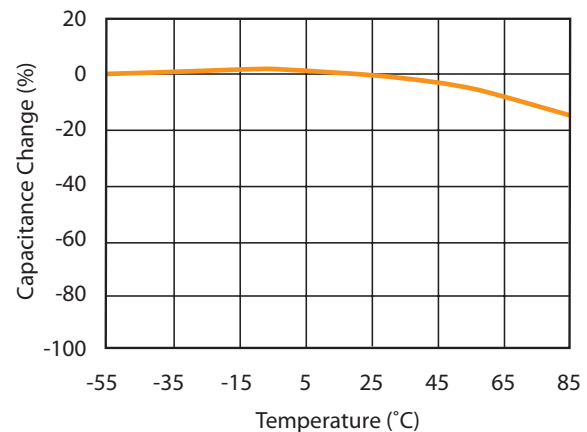
## 2. Capacitance vs. DC Voltage



## 3. Capacitance vs. AC Voltage



## 4. Capacitance vs. Temperature



Note: Any data in this ECD is typical data based on an average design of a component and is for reference design only.