



**Sample #4 – 3000Vdc packaged prototype capacitor, 16 layers, S/N EE16L02**

Electrical Parameters	Frequency							
	100Hz		120Hz		1kHz		10kHz	
	Before cycle test	After cycle test	Before cycle test	After cycle test	Before cycle test	After cycle test	Before cycle test	After cycle test
Capacitance (C)	2.963 nF	2.965 nF	2.958 nF	2.951 nF	2.912 nF	2.900 nF	2.857 nF	2.840 nF
Dissipation Factor (DF)	1.490 %	1.701 %	1.440 %	1.385 %	1.231 %	1.396 %	1.614 %	1.590 %
Equivalent Series Resistance (Rs)	7.9 kΩ	9.4 kΩ	6.5 kΩ	7.6 kΩ	673.2 Ω	764.7 Ω	89.9 Ω	90.1 Ω
Quality Factor (Q)	67.1	56.5	69.7	72.6	81.2	71.7	61.9	62.6
Impedance (Z)	536.9 kΩ	536.5 kΩ	448.2 kΩ	448.3 kΩ	54.6 kΩ	54.9 kΩ	5.6 kΩ	5.6 kΩ
Phase Angle (θ)	-89.14	-88.93	-89.17	-89.16	-89.29	-89.20	-89.07	-89.07