

고용량 MLCC의 전기적 특성에 관한 연구

김현덕*, 윤종락*, 김응권**, 송준태**
삼화콘덴서공업*, 성균관대학교 정보통신공학과**

Study on the Electrical properties of high capacitance Multilayer Ceramic Capacitor

Hyun-Duk Kim,* Jung-Rag Yoon,* Eung-Kwon Kim,** Joon-Tae Song**
Samwha Capacitor* Sungkyunkwan Univ.**

Abstract : High capacitance MLCC has been enabled through the use of nickel electrodes to produce thinner layers at acceptable costs. High capacitance MLCC devices offer significant advantages to electrolytics such as tantalum and aluminum ; Lower ESR for high frequency applications, Non-polarized. Many process improvement have enabled this technology Higher dielectric constants Thinner dielectric and electrode layers through BME More accurate layer construction. This study is high capacitance MLCC electrical properties, reliability, Analysis on DOE(Design Of Experiment) of the electrical properties

Key Words : leakage current, degradation, reliability, DOE