

Chapter 6

Future work

1. Due to the reaction between the stainless steel substrate and the ferroelectric thick film which results in a decrease in dielectric constant, an intermediate buffer layer should be coated onto the stainless steel substrate before screen-printing the ferroelectric film to avoid this problem.
2. The frit ($\text{PbO} \cdot \text{B}_2\text{O}_3 \cdot \text{Bi}_2\text{O}_3$) and the phosphate ester improve the ferroelectric thick film, such as densification and homogeneity. Therefore, their contents should be varied in order to find optimum quantity for using in this film.



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย