

Low loss and excellent stability of $\text{Zn}_{0.7}\text{Mg}_{0.3}\text{TiO}_3$ ceramics added V_2O_5 - TiO_2 for implementing low-temperature co-fired ceramic technology

Liangchen Fan,^a Yulong Liao,^a Yuanxun Li,^a Fuyu Li,^a Jie Li,^a Wenhao Chen,^b Qiang Zhao,^{a*}

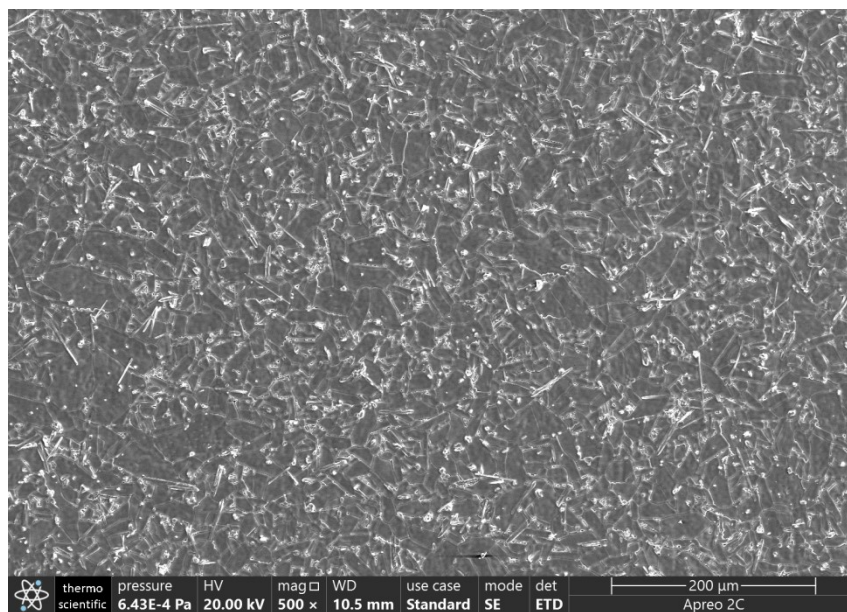
^a State Key Laboratory of Electronic Thin Films and Integrated Devices, University of Electronic Science

and Technology of China, Chengdu 611731, P. R. China. E-mail:

qzh@uestc.edu.cn

^b Southwest China Institute of Electronic Technology, Chengdu 610036, China.

Results



SFig. 1 SEM image of the $\text{Zn}_{0.7}\text{Mg}_{0.3}\text{TiO}_3$ ceramics.

Table S1

The dielectric properties of the $\text{Zn}_{0.7}\text{Mg}_{0.3}\text{TiO}_3$ ceramic sintered at 1150°C for 4h.

Sample	ϵ_r	$Q \times f$	τ_f
$\text{Zn}_{0.7}\text{Mg}_{0.3}\text{TiO}_3$	21.714	48486.6	-16.31204951