Accepted Manuscript

Optical Band Engineering of Metal-Oxynitride based on Tantalum Oxide Thin Film Fabricated via Reactive Gas-Timing RF Magnetron Sputtering

N. Khemasiri, S. Jessadaluk, C. Chananonnawathorn, S. Vuttivong, T. Lertvanithphol, M. Horprathum, P. Eiamchai, V. Patthanasettakul, A. Klamchuen, A. Pankiew, S. Pornthreeraphat, J. Nukeaw

PII: S0257-8972(16)30693-4

DOI: doi: 10.1016/j.surfcoat.2016.08.002

Reference: SCT 21420

To appear in: Surface & Coatings Technology

Received date: 26 December 2015 Revised date: 15 July 2016 Accepted date: 1 August 2016



Please cite this article as: N. Khemasiri, S. Jessadaluk, C. Chananonnawathorn, S. Vuttivong, T. Lertvanithphol, M. Horprathum, P. Eiamchai, V. Patthanasettakul, A. Klamchuen, A. Pankiew, S. Pornthreeraphat, J. Nukeaw, Optical Band Engineering of Metal-Oxynitride based on Tantalum Oxide Thin Film Fabricated via Reactive Gas-Timing RF Magnetron Sputtering, *Surface & Coatings Technology* (2016), doi: 10.1016/j.surfcoat.2016.08.002

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Optical Band Engineering of Metal-Oxynitride based on Tantalum Oxide Thin Film Fabricated via Reactive Gas-Timing RF Magnetron Sputtering

N. Khemasiri^{a,d}, S. Jessadaluk^{a,e}, C. Chananonnawathorn^b, S. Vuttivong^b, T. Lertvanithphol^b,
M. Horprathum^b, P. Eiamchai^b, V. Patthanasettakul^b, A. Klamchuen^c, A. Pankiew^d,
S. Pornthreeraphat^{b,e,*} and J. Nukeaw^{a,e,d}

^aCollege of Nanotechnology, King Mongkut's Institute of Technology Ladkrabang, Ladkrabang, Bangkok 10520, Thailand

^bNational Electronic and Computer Technology Center (NECTEC), Klong Luang, Pathumthani 12120, Thailand

^cNational Nanotechnology Center (NANOTEC), Klong Luang, Pathumthani 12120, Thailand ^dThai Microelectronics Center, 51/4 Moo 1, Wangtakien, Amphur Muang, Chachoengsao 24000, Thailand

^eNanotec-KMITL Center of Excellence on Nanoelectronic Devices, Ladkrabang, Bangkok 10520, Thailand

^dThailand Center of Excellence in Physics, Commission on Higher Education, Ministry of Education, Bangkok 10400, Thailand

* Corresponding author: Email: supanit.porntheeraphat@nectec.or.th; Tel: +66-2564-6900 Ext. 2102; Fax: +66-2564-6771; Postal address: Photonics Technology Laboratory, National Electronics and Computer Technology Center, National Science and Technology Development Agency, 112 Thailand Science Park, Phahonyothin Rd., Klong 1, KlongLuang, Pathumthani 12120 Thailand

Download English Version:

https://daneshyari.com/en/article/5465222

Download Persian Version:

https://daneshyari.com/article/5465222

<u>Daneshyari.com</u>