



## Device Modeling Circuit Design for Zto Tfts

By Tanvi Joshi

LAP LAMBERT Academic Publishing. Paperback. Book Condition: New. Paperback. 116 pages. Dimensions: 8.7in. x 5.9in. x 0.3in. Amorphous Oxide semiconductors have gained large interest in the display industry, owing to their high carrier mobility and low fabrication costs. In this thesis, n-channel solution based zinc-tin oxide (ZTO) thin-film transistors (TFTs) are studied from a circuit design perspective. The study includes an iterative process of circuit design, layouts and lab tests performed on the fabricated circuits. The requirement and initial development of a physical compact model for performing accurate and predictive circuit simulations has been presented. The use of ZTO devices in low cost, transparent and flexible electronic applications has been investigated through the study of basic circuit blocks such as amplifiers, ring oscillators, inverters and a four stage Operational Amplifier. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



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