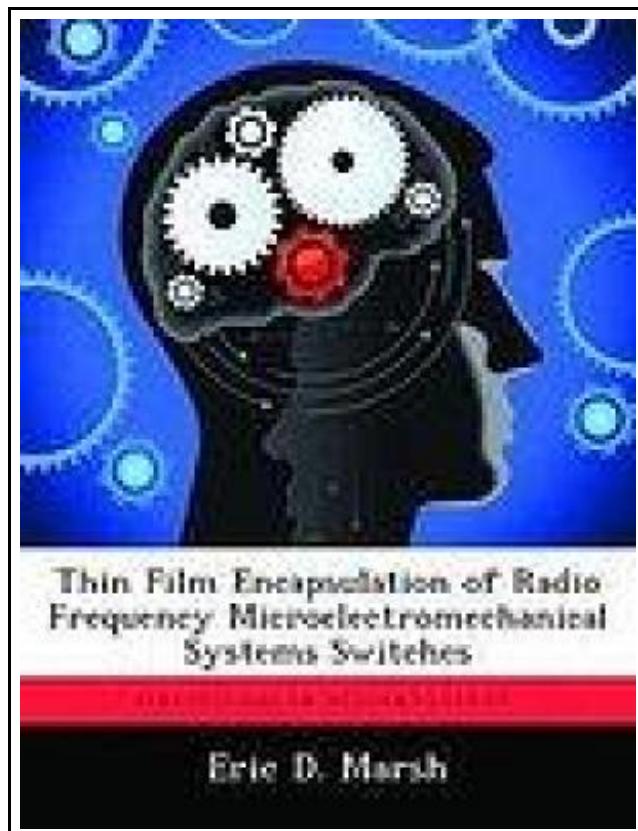


## Thin Film Encapsulation of Radio Frequency Microelectromechanical Systems Switches



Filesize: 5.46 MB

### Reviews

*Basically no words to clarify. Of course, it is perform, still an amazing and interesting literature. Its been printed in an exceptionally basic way which is only soon after i finished reading through this ebook where actually altered me, change the way i really believe.*

*(Newton Runolfsson)*

## THIN FILM ENCAPSULATION OF RADIO FREQUENCY MICROELECTROMECHANICAL SYSTEMS SWITCHES

[DOWNLOAD](#)

To read **Thin Film Encapsulation of Radio Frequency Microelectromechanical Systems Switches** PDF, remember to follow the link under and save the document or have accessibility to additional information that are relevant to THIN FILM ENCAPSULATION OF RADIO FREQUENCY MICROELECTROMECHANICAL SYSTEMS SWITCHES ebook.

Bibioscholar Nov 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x10 mm. This item is printed on demand - Print on Demand Neuware - Microelectromechanical systems (MEMS) radio frequency (RF) switches have been shown to have excellent electrical performance over a wide range of frequencies. However, cost-effective packaging techniques for MEMS switches do not currently exist. This thesis involves the design of RF-optimized encapsulations consisting of dielectric and metal layers, and the creation of a novel thin film encapsulation process to fabricate the encapsulations. The RF performance of several encapsulation designs are evaluated with an analytical model, full wave electromagnetic simulation, and laboratory testing. Performance degradation due to parasitic and reflection losses due to the package is considered, and RF feed-throughs of the transmission line into and out of the package are designed and assessed. Ten different encapsulation designs were created and their RF performance was characterized in terms of insertion loss, return loss, and isolation. A switch without an encapsulation and a switch with a dielectric encapsulation were fabricated and tested by the Air Force Research Laboratory (AFRL), and the test data was used to verify the data from analytical modeling and electromagnetic simulation performed in this work. 168 pp. Englisch.

-  [Read Thin Film Encapsulation of Radio Frequency Microelectromechanical Systems Switches Online](#)
-  [Download PDF Thin Film Encapsulation of Radio Frequency Microelectromechanical Systems Switches](#)

## You May Also Like

---



### [PDF] Genuine] Whiterun youth selection set: You do not know who I am Raoxue(Chinese Edition)

Click the hyperlink below to get "Genuine] Whiterun youth selection set: You do not know who I am Raoxue(Chinese Edition)" PDF document.

[Save Document »](#)

---



### [PDF] Edge] do not do bad kids series: the story of the little liar (color phonetic version) [genuine special(Chinese Edition)]

Click the hyperlink below to get "Edge] do not do bad kids series: the story of the little liar (color phonetic version) [genuine special(Chinese Edition)]" PDF document.

[Save Document »](#)

---



### [PDF] Child self-awareness sensitive period picture books: I do not! I do not! (Selling 40 years. fun and effective(Chinese Edition))

Click the hyperlink below to get "Child self-awareness sensitive period picture books: I do not! I do not! (Selling 40 years. fun and effective(Chinese Edition))" PDF document.

[Save Document »](#)

---



### [PDF] 31 Moralistic Motivational Bedtime Short Stories for Kids: 1 Story Daily on Bedtime for 30 Days Which Are Full of Morals, Motivations Inspirations

Click the hyperlink below to get "31 Moralistic Motivational Bedtime Short Stories for Kids: 1 Story Daily on Bedtime for 30 Days Which Are Full of Morals, Motivations Inspirations" PDF document.

[Save Document »](#)

---



### [PDF] Report from the Interior. Bericht aus dem Inneren, englische Ausgabe

Click the hyperlink below to get "Report from the Interior. Bericht aus dem Inneren, englische Ausgabe" PDF document.

[Save Document »](#)

---



### [PDF] H1 Genuine] the A Benmao full pass (Vol.1)(Chinese Edition)

Click the hyperlink below to get "H1 Genuine] the A Benmao full pass (Vol.1)(Chinese Edition)" PDF document.

[Save Document »](#)