



## Photonic Implementation of an Instantaneous Frequency Measurement

By Sarkhosh, Niusha / Emami, Hossein

Condition: New. Publisher/Verlag: VDM Verlag Dr. Müller | Radar Warning Receiver | With the rapid and ongoing developments in telecommunication and electronic warfare technology, faster and more flexible systems are in demand. Wideband signal processing is thus needed to implement such systems. Microwave photonics has been introduced as a tool for achieving such ultra - broadband signal processing. Instantaneous Frequency Measurement (IFM) receivers play an important role in electronic warfare. They have been developed as a means of obtaining a rapid indication of the presence of a threat and to roughly identify the frequency of the threat signals. They also have the advantages of low-cost, compactness and moderate to good sorting capability in an interference-free environment. The main limitation of the traditional IFM RF receivers is the constrained bandwidth. Microwave Photonic IFMs have been considered, but the main disadvantages of photonic realization of the recent IFM receiver is cost. This work proposes and demonstrates a low - cost photonic IFM receiver with a broad frequency measurement range. The proposed methods are based on the use of photonic mixing to down-convert the RF modulated optical signals to DC. | Format: Paperback | Language/Sprache: english | 239 gr | 220x150x9 mm |...



**READ ONLINE**

[ 4.19 MB ]

### Reviews

*I actually started off reading this ebook. It can be full of knowledge and wisdom I discovered this pdf from my i and dad suggested this pdf to understand.*  
-- **Marilyne Haag**

*This ebook may be worth getting. I actually have read through and i am sure that i am going to likely to read through again once more down the road. You will not sense monotony at whenever you want of your respective time (that's what catalogues are for relating to should you check with me).*  
-- **Mr. Golden Flatley**

## You May Also Like



### **The Complete Idiots Guide Complete Idiots Guide to Baby Sign Language by Diane Ryan 2006 Paperback**

Book Condition: Brand New. Book Condition: Brand New.



### **Summer the 25th anniversary of the equation (Keigo Higashino shocking new work! Lies and true Impenetrable(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date: Unknown in Publisher: Modern Publishing Basic information Original Price: 28.00 yuan Author: Publisher: Modern Publishing ISBN: 9.787.514.307.542 Yema:...



### **The Pursued: Is That Drum Beats? Lamar Stein Heard Beats Warning of an Evil Set Loose on Piedmont! This Is the Root Hard or Die Story of the Life and Times of My Father and Mother. My Sister and Me, Bystanders on Appalachian Mountains Hillside. (Paperbac**

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Euphoria broke out in the hitching alley by the time my father reached Main Street s boardwalk. Farmer s wives...



### **xu] good boy grow up reading: Romance of the Three Kingdoms (color Note) [new genuine(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2009-08-20 Pages: 159 Publisher: mass literary OUR Books All book Genuine special part of the stock if the...



### **Speak Up and Get Along!: Learn the Mighty Might, Thought Chop, and More Tools to Make Friends, Stop Teasing, and Feel Good about Yourself**

Free Spirit Publishing Inc.,U.S. Paperback / softback. Book Condition: new. BRAND NEW, Speak Up and Get Along!: Learn the Mighty Might, Thought Chop, and More Tools to Make Friends, Stop Teasing, and Feel Good about Yourself, Scott Cooper, What if every kid...



### **The Pauper & the Banker/Be Good to Your Enemies**

Discovery Publishing Pvt.Ltd. Paperback. Book Condition: new. BRAND NEW, The Pauper & the Banker/Be Good to Your Enemies, Discovery Kidz, This book is part of the Aesops Fables (Fun with 2 Stories) Series, titles in this series include: The Ant & The...