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Savitribai Phule Pune University Faculty of Science and Technology ...

radiation, microwave and wireless communications. • Expose the students to basic laws of electro statics, magneto statics leading to the Maxwell Equations for static and dynamic fields. • Extend these laws to Uniform Plane waves, transmission line theory and some of the case studies of applications of engineering electromagnetic field theory.

CCTV Technology Handbook - DHS

2. CCTV System Design 1 2.1 Defining System Requirements 1 2.2 CCTV System Design Considerations 3 3. Components of CCTV Systems 9 3.1 Cameras 9 3.2 Lenses 15 3.3 Housing and Mounts 22 3.4 Video Monitors 25 3.5 Switchers and Multiplexers 30 3.6 Video Recorders 32 4. Transmission 36 4.1 Wired Transmission 36 4.2 Wireless Transmission 39

HMC704LP4E - Analog Devices

[5] Measured with the HMC704LP4E evaluation board. Board design and isolation will affect performance. [6] Internal divide-by-2 must be enabled for frequencies >4GHz [7] At low RF Frequency, Rise and fall times should be less than 1ns to maintain performance [8] slew rate of greater or equal to 0.5ns/V

IEEE Journal Titles and Reference Abbreviations Title Reference ...

Microelectromechanical Systems, IEEE Journal of J. Microelectromech. Syst. (1992-2013) Microwave and Wireless Components Letters, IEEE IEEE Microw. Wireless Compon. Lett. IEEE Microw. Guided Wave Lett.* (1991-2000) Microwave Theory and Techniques, IEEE Transactions on IEEE Trans. Microw. Theory Techn.

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Networks/ RF and Microwave Engineering/ Microwave and millimeter wave Embedded System Design - Artificial Intelligence (AI) or Internet of Things (IoT) based Designs/ Machine Learning/ Internet of Things (IoT)/ Microprocessor and Embedded Systems Design/ Robotics and Automation/ Mixed mode Circuit or SoC Design/ Optoelectronics,

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ULTRA LINEAR LOW NOISE Monolithic Amplifier PGA-103

An RF choke is needed to feed DC bias without loss of RF signal due to the bias connection, as shown in "Recommended Application Circuit", Fig. 2 GND 2,4 Connections to ground. Use via holes as shown in "Suggested Layout for PCB Design" to reduce ground path inductance for best performance. 3 RF-OUT & DC-IN 2 GROUND 1 RF-IN 4 RF-IN RF-OUT

Technical Program of TWHM 2022 - □ □ □ □ □

13:20 0:25 3-1 Reinventing Power Electronics: NexGen Power Systems with NexGen Vertical GaN™Dinesh Ramanathan NexGen Power Systems, USA Invited 13:45 0:25 3-2 Multi 2DEG Channel BRIDGE HEMT Technology for Millimeter-Wave Power Amplifier and RF Switch Applications Keisuke Shinohara Teledyne Scientific Company, USA Invited