

INITIAL PERFORMANCE TESTING RESULTS FOR THE Z200 SOLID STATE VOLTAGE REFERENCE

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Abstract:

Solid State Voltage References have several performance limitations based on flicker noise, environmental affects and changes in long term drift. Some of the common environmental effects are temperature, humidity and air pressure. This paper will present the results of testing performed on the new Z200 Voltage Reference. The short-term noise is presented in terms of Allan Deviation. Many of the previous performance limitations have been reduced by a factor of 100 or more.