

1553 NOISE GENERATOR CARD

DESCRIPTION:

The PC compatible 1553 Noise Generator Card provides bandlimited white Gaussian noise as specified by MIL-STD-1553. The 1553 Noise Generator Card contains a noise source, filter and driver, rms noise measurement circuitry, and registers for noise control. The 1553 Noise Generator Card can be used to test the noise rejection performance of your MIL-STD-1553 interface.

PART NUMBER: 30196

EASY TO USE:

The 1553 Noise Generator Card provides programmable control over noise output and measurement. A simple menu-driven program provided with the card allows the user to enable/disable the noise output, select active high or active low noise gating, and adjust the rms level of the noise output. The card is used in a PC compatible computer and the program run with DOS 2.1 or higher.

SPECIFICATIONS:

- Band-limited white Gaussian noise: 1.0 kHz to 4.0 Mhz terminated sharply with 3 db attenuation at 4 MHz and 30 db attenuation at 4.5 MHz
- Programmable noise output: 0.5 mv rms steps, 80 - 207.5 mv rms and 170 - 297.5 mv rms
- Selectable data bus coupling: transformer or direct
- ISA 8 bit interface
- Selectable I/O address
- Data bus connector: Trompeter BJ77
- Noise gate connector: standard BNC
- Board size: 10.76" by 4.20"

APPLICATION:

Use the 1553 Noise Generator Card to test the breadboard, prototype and production stages of your 1553 interface. The individual and combined effects of your selected components (chipset, transceiver, transformers) and the electrical characteristics of the board layout can all significantly affect the noise rejection capability of your design. Consequently, it is important to test for noise rejection at each stage of development and anytime changes in parts or layout are made. The noise rejection test typically takes less than 25 minutes per bus. By using the 1553 Noise Generator Card from development through final testing, you can make sure that your interface meets MIL-STD-1553 noise rejection requirements.

GENERAL INFORMATION:

Specializing in MIL-STD-1553 since 1979, Test Systems provides test equipment, training seminars and validation testing. Test equipment provides for testing and simulating 1553A/B terminals and systems. Training seminars on MIL-STD-1553 provide a comprehensive discussion of the standard and include hands-on lab sessions. Approved validation testing service tests remote terminals and components to the requirements of MIL-STD-1553.

For more information contact:

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