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80000 Data Generator System



Key Specifications

- 1 Gbit/s, RZ/NRZ
- Multiplexing up to 2 Gbit/s
- Memory: 128 kb (E2902A/3A 16 kb) segmentable for preamble
- PRBS, zero substitution and variable mark density patterns
- Staggered" PRBS for MUX error rate tests.
- Delay range ± 2 ns, 2 ps resolution
- Output: 3 Vpp (E2902A/3A 2.5 V pp)
- Output window: -2 to +3 V (into 50-Ohm to ground) // -2 to +1 V (into 50-Ohm to -2V)

Description

When you need multiple lines of real data to characterize your device, the Agilent 80000 system delivers the required edge-placement at up to 1 GHz. Affordability, plus PRBS and conformance to national and international electromagnetic regulations have made the 80000 system a preferred choice when characterizing fast ICs, modules, or components. Pairs of channels can be added to provide multiplexed RZ signals up to 2 Gbit/s.

Examples include:

- MUX, DAC, memories
- ATM, SONETS/SDH, switches
- passive devices like HF connectors
- computer backplanes

Rapid performance verification can be carried out with the 80000's PRBS and with the help

of the 54120 series oscilloscope -- using the eye-pattern technique -- or the 71600 series BERT.

For complete details, click on the System Brochure or Technical Datasheet.

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