

Transmission Equipment Physical Layer Evaluation Reduction Setup Costs

MP2102A BERTWave SS



Transmission Equipment Evaluation Solution

What is MP2102A BERTWave SS?

Eye/Pulse Pattern Analyzer with Electrical and Optical Interfaces Supporting High-Speed Eye/Pulse Analysis

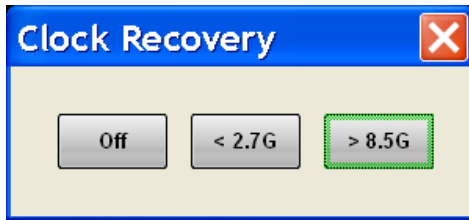
The MP2102A BERTWave SS is an Eye/Pulse pattern analyzer supporting clock recovery and high-speed eye-pattern analysis. With built-in clock recovery, it is ideal for evaluating long-distance transmissions and optical characteristics without requiring external clock recovery. Pre-installed time, amplifier, histogram analysis and mask/mask margin test functions support easy signal integrity analysis.

Features

- **Cost-Effective Clock Recovery**
- **High-Speed Eye-Pattern Analysis**
- **Low Pass Filter Supporting Various Applications**
- **Excellent Extinction Ratio Measurement**

Reduce Setup Costs

- The MP2102A BERTWave SS with built-in clock recovery is a cost-effective solution for evaluating long-distance transmissions and optical characteristics. The clock recovery rates of 8.5 to 12.5 GHz and 0.1 to 2.7 GHz support most applications.

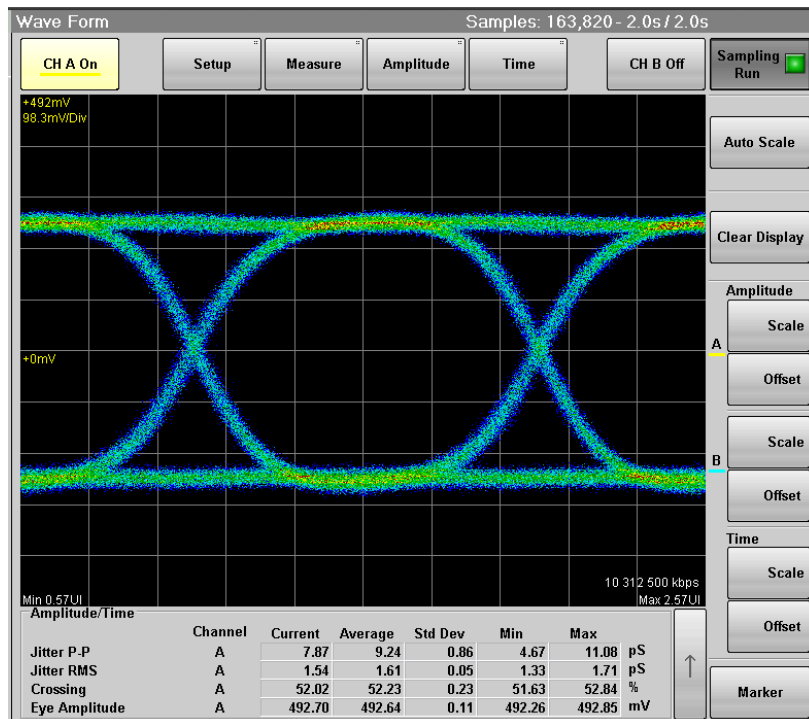


Bit Rate		Loop Bandwidth
8.5 to 12.5 GHz		1, 2, 4, 8 MHz
0.1 to 2.7 GHz	2488.32 MHz	490 kHz
	622 MHz	71 kHz
	156 MHz	23 kHz

Versatile Applications

- The following Low Pass Filter can be installed in the MP2102A BERTWave SS:
 - 2GFC, 4GFC, 8GFC, 10GbE LAN/PHY, 10GbE WAN (with option 057)
 - 8GFC, 10GbE LAN/PHY, 10GFC, 10GbE WAN, OC192/STM-64, G975 FEC, OTU-2 (with option 056)
- The 850, 1310, and 1550-nm wavelengths support various 10G-band signals.

Sample Waveform



Bit rate: 10.3 Gbit/s, PRBS31, Amplitude: 0.8 Vp-p, Electrical