

Guaranteed BERTWave Error Detector Rx sensitivity supports BER measurements of low-amplitude high-jitter signals

MP2100A-091/MP2101A-091 ED High Sensitivity Option

MP2100A BERTWave Series

Features

○ Improved Rx sensitivity of ED to stress waveform to 50 mVp-p

⇒ Adding the Opt-091 upgrades the conventional BERTWave sensitivity of 100 mVp-p Rx to clean signals to 50 mVp-p* even for stressed signals including jitter and low-amplitude noise.

*: MP2100A Ch2 and MP2101A Ch1/Ch2

Specifications

Jitter specifications	Standardized jitter tolerance value per bit rate		
Total Jitter: TJ [UI]	10.3125 Gbps: 0.65 4.25 Gbps: 0.325 2.125 Gbps: 0.325		
Deterministic Jitter: DJ(d-d)[UI]	10.3125 Gbps: 0.45 4.25 Gbps: 0.225 2.125 Gbps: 0.225		
SJ(p-p)[UI]	10.3125 Gbps: 0.22 4.25 Gbps: 0.11 2.125 Gbps: 0.11		
Input EYE Mask Specification	Standardized input EYE mask per bit rate		
Y1: [mV]	MP2100A: CH1 ED 10.3125 Gbps: 50 4.25 Gbps: 50 2.125 Gbps: 50	MP2100A: CH2 ED 10.3125 Gbps: 25 4.25 Gbps: 25 2.125 Gbps: 25	MP2101A: CH1 ED/CH2 ED 10.3125 Gbps: 25 4.25 Gbps: 25 2.125 Gbps: 25
X1: [UI]	10.3125 Gbps: 0.325 4.25 Gbps: 0.1625 2.125 Gbps: 0.1625		

What is MP2100A BERTWave?

Compact, all-in-one, simultaneous BER and Eye-pattern measurements

MP2100A BERTWave	BERT	Eye/Pulse Scope
MP2101A BERTWave PE	BERT	
MP2102A BERTWave SS		Eye/Pulse Scope



Choose from three configurations: BERT + Scope, BERT only, and Scope only.

- Simultaneous BER test and Eye pattern analysis
- 4x Faster remote control
- 10x Higher resolution, 10-ms BER testing
- Internal CDR (standard)
- Independent 2-channel PPD/ED
- High-speed sampling
- Automatic mask margin testing
- High repeatability and low unit-to-unit variation for extinction ratio and mask margin measurement

Visit our website for more details and information on the MP210xA BERTWave series:

<http://www.anritsu.com/en-US/Products-Solutions/Products/MP2100A.aspx>

Ordering Information

Model	Name
MP2100A	BERTWave
MP2100A-001	Dual Electrical Receiver
MP2100A-003	Optical/Single-ended Electrical Receiver
MP2100A-091	ED High Sensitivity Option
MP2100A-191	ED High Sensitivity Option Retrofit
MP2101A	BERTWave PE
MP2101A-011	1CH PPG/ED
MP2101A-012	2CH PPG/ED
MP2101A-091	ED High Sensitivity Option
MP2101A-191	ED High Sensitivity Option Retrofit

Model	Name
MX210001A	Jitter Analysis Software
MX210001A	Transmission Analysis Software