

Variable ISI Channel

CLE1200 Series

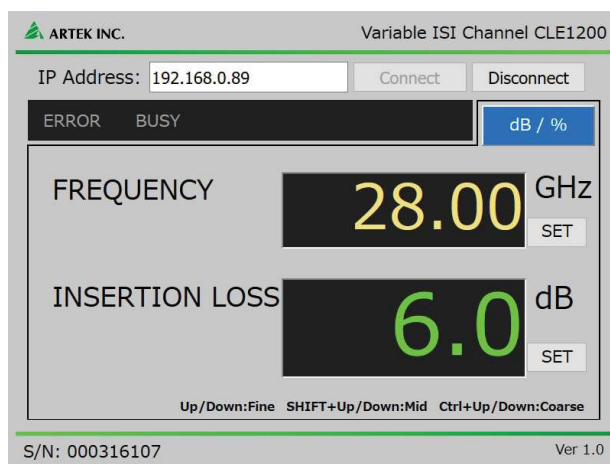
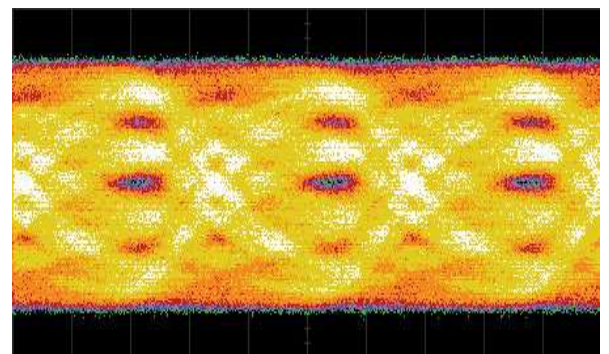
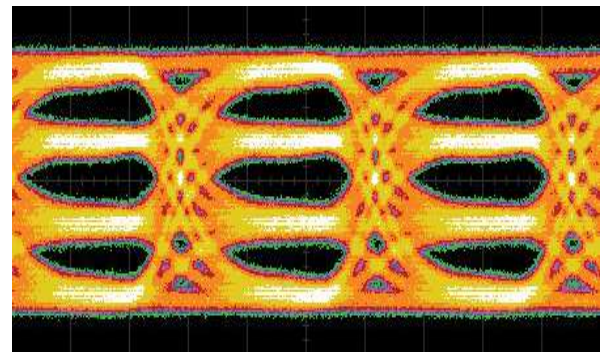


Continuously Variable Passive & DC Coupled Repeatable & Stable Fine Adjustment

Applied with Artek's unique technologies for analog signals as well as advanced electromagnetics, the CLE1200 & CLE1240 series are designed as a variable Inter-Symbol-Interference (ISI) channel for high speed serial interface stress tests. It controls the insertion loss continuously by 1,000 steps in its dynamic range for fine adjustment. The differential transmission lines are totally passive and DC coupled. The adjusted insertion loss is reliably repeatable and stable for secure test results. The control is done by the volume dial on the front panel and/or PC remote via USB for automated operation. Three (3) models of different loss range are available to cover various data rates. The CLE1200 & CLE1240 series are convenient ISI channel, applicable for various standard stress tests and compliance tests.

Principle : (patent-pending)

The variable insertion loss is achieved by controlling the electromagnetic field spatially around the transmission lines, which are electrically isolated from any components.



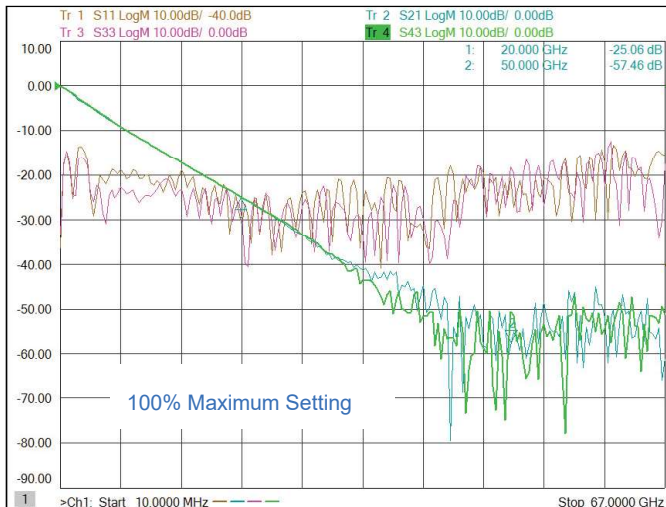
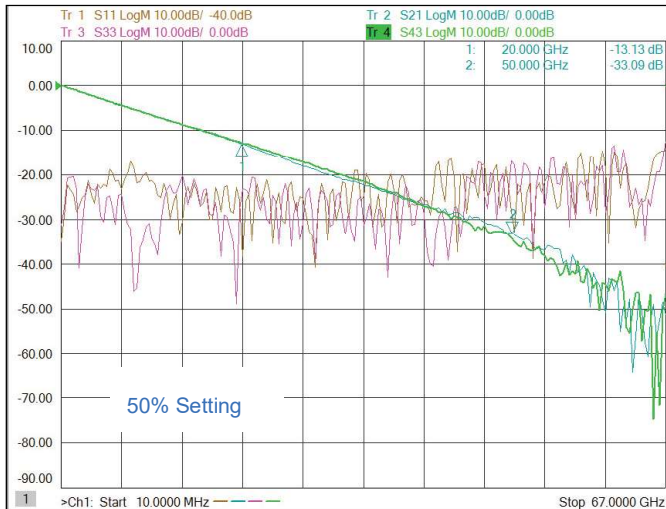
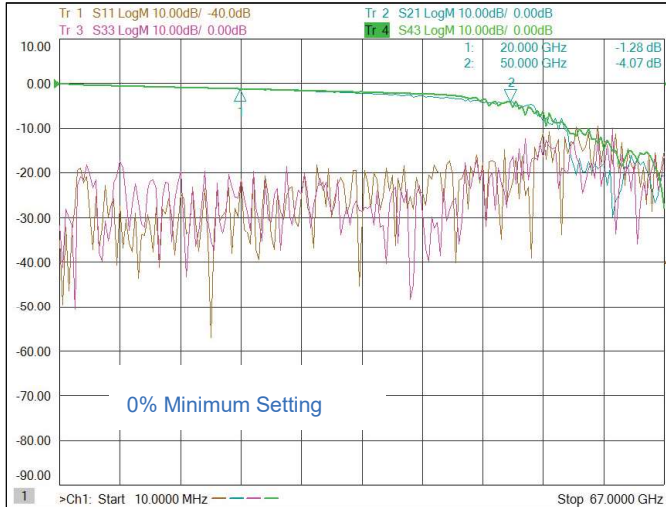
Remote Control

- Ethernet: TCP/IP Socket
 - USB: Installs as a COM port
- Remote commands compatible with IEEE Std488-2 /SCPI-1990

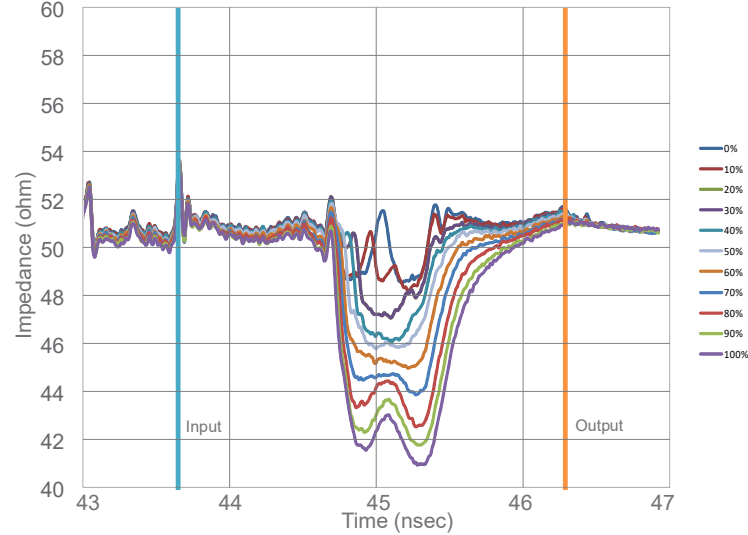
1,000 steps for fine adjustment

CLE1200 Series

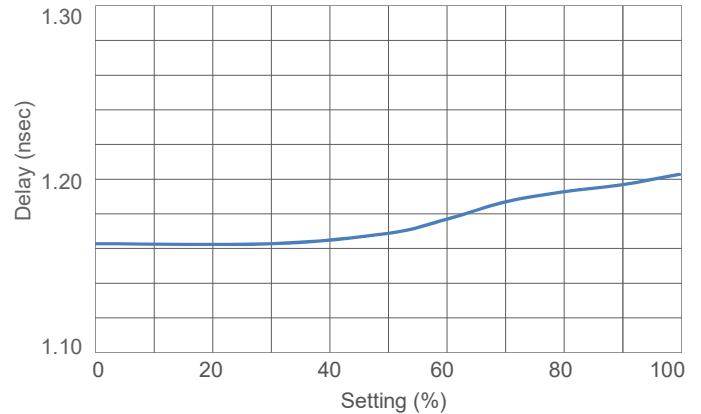
S-parameters



TDR Impedance



Delay



Specifications:

Transmission Line : 50 ohm Single-end x2, DC couple
 Input Tolerance: 10Vpp max
 Connectors (M2V) : 1.85mm(V) female
 (M2K) : 2.92mm(K) female
 Delay : 1.13ns +/- 40ps approx.
 Power: AC 85V~264V 50/60Hz, 70VA max
 Dimensions: CLE1200 : 200(W) x 120(H) x 420(D) mm

Ordering Information

CLE1200-M2V-T1 2x single-ends / 1.85mm connector
 CLE1200-M2K-T1 2x single-ends / 2.92mm connector
 EXP1200-2012-V Fixed channel for IL expansion, +20dB@12GHz, 1.85mm
 EXP1200-2012-V Fixed channel for IL expansion, +20dB@12GHz, 2.92mm

Subject to change without notice