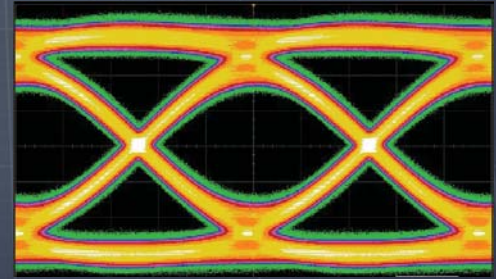


Variable ISI Channel

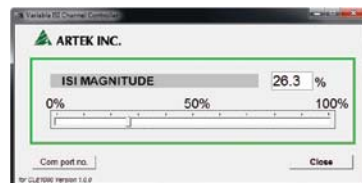
Continuously Variable
Passive & DC Coupled
Repeatable & Stable
Fine Adjustment

CLE1000 & CLE1040



Applied with Artek's unique technologies for analog signals as well as advanced electromagnetics, the CLE1000 & CLE1040 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 CLE1000 & CLE1040 series are convenient ISI channel, applicable for various standard stress tests and compliance tests.

CLE1000 Series



1ch x Differential
(2ch x Single-end)

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.

Common Specifications:

Transmission Line : 50 ohm Single-end, DC couple

Input Tolerance: 10Vpp max

Connectors (A2) : SMA female

(S2 / H2K) : 2.92mm(K) female

(H2V) : 1.85mm(V) female

Delay (A2) : 3.8ns +/- 600ps approx.

(S2) : 2.2ns +/- 200ps approx.

(H2K / H2V) : 1.58ns +/- 70ps approx.

Power: AC 85V~264V 50/60Hz, 70VA max

Dimensions:

CLE1000 : 190(W) x 110(H) x 400(D) mm

CLE1040 : 453(W) x 221(H) x 456(D) mm

CLE1040 Series



4ch x Differential
(8ch x Single-end)

Remote Control

- USB I/F for remote control
- Installs as a COM port
- GUI included
- Remote commands compatible with IEEE Std488-2 / SCPI-1990
- 4ch individual / simultaneous control

Ordering Information

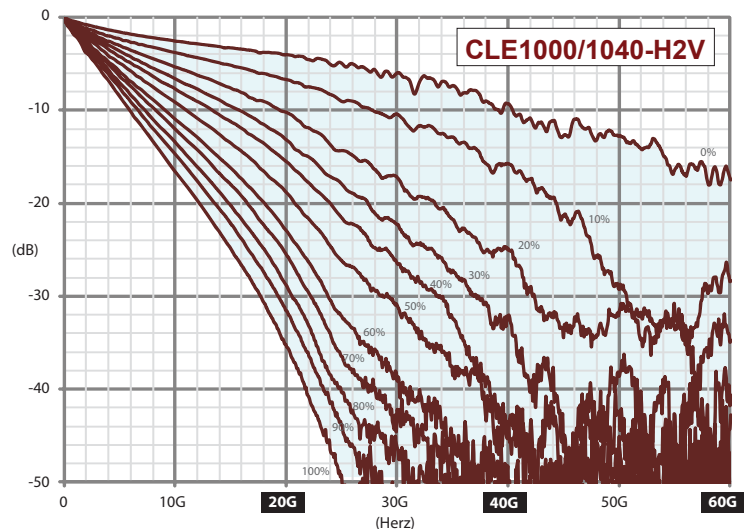
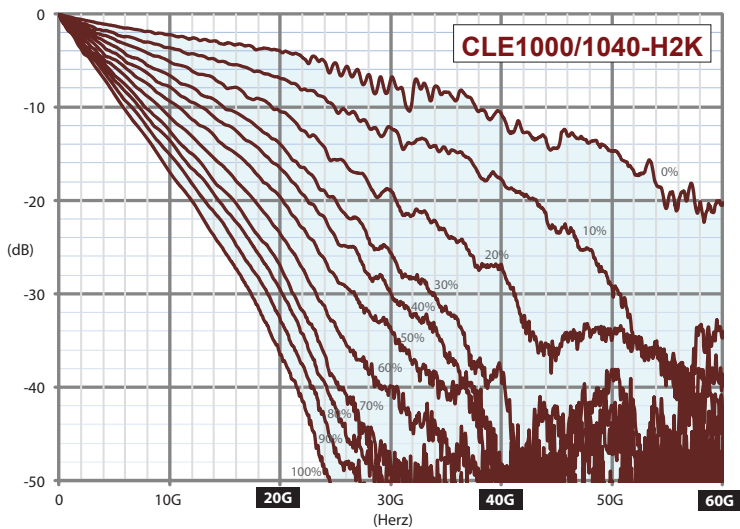
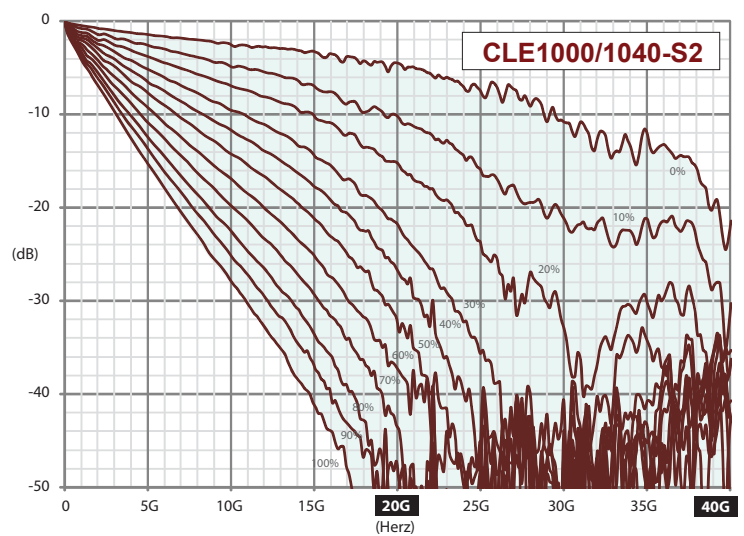
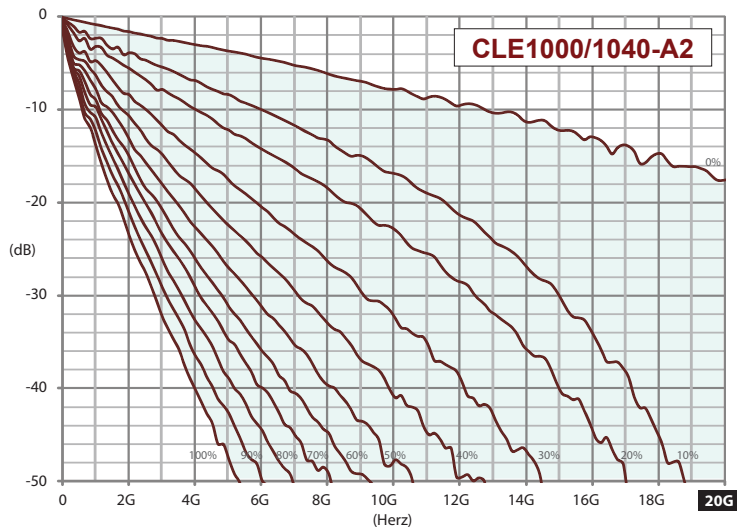
Single channel	4x channels
- CLE1000-A2	- CLE1040-A2
- CLE1000-S2	- CLE1040-S2
- CLE1000-H2K	- CLE1040-H2K
- CLE1000-H2V	- CLE1040-H2V

Variable ISI Channel

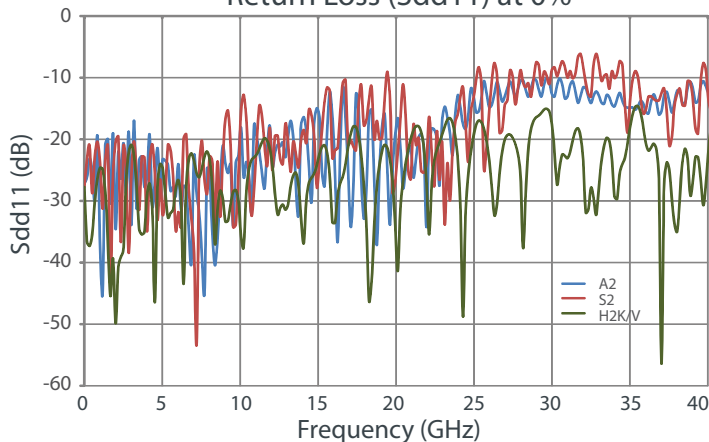
CLE1000 & CLE1040 Series

1,000 Steps
Fine Adjustment

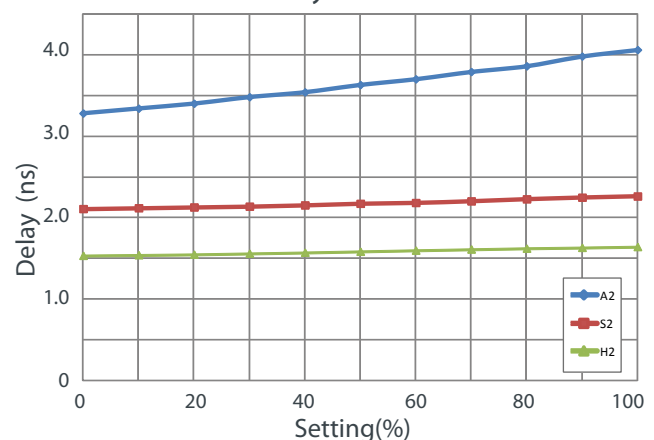
Insertion Loss (Sdd21)



Return Loss (Sdd11) at 0%



Delay Correlation



Subject to change without notice