

10 Mb/s Single Twisted Pair Ethernet New Clause 104 Type

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New Clause 104 Type

- The new Clause 104 type supporting 10BASE-T1L PHY shall include the following parameters:
 - Maximum noise/ripple voltage: 100 mV_{pp}, 1 kHz to 10 MHz
 - Maximum in-band noise/ripple voltage after post-processing: 10 mV_{pp}, 1 kHz to 10 MHz
 - Corner frequency for Differential Probe: f₁ = 3.18 kHz
 - Corner frequency for in-band noise/ripple measurement: f₂ = 100 kHz
 - Max. PSE output voltage slew rate during normal operation: 2 V/ms
 - Max. PD input voltage slew rate during normal operation: 2 V/ms
 - Max. PD input current slew rate: 100 mA/ms
 - Max. optionally allowed voltage drop across the link segment: up to 40 % of supply voltage

Thank You