



Custom Optical Amplifier PAM4

The MATA-39434A is a quad 53GBaud linear PAM4 TIA with automatic gain control. The MATA-39434A consumes very low power. It is spaced 250um anode to anode, to be compatible with standard ...

Pulse Amplitude Modulation with four levels (PAM4) provides exactly that capability. By encoding two bits into each symbol using four distinct amplitude levels, PAM4 delivers twice the bit ...

The MATA-40754 Quad Linear TIA supports high bandwidth optical data links. The MATA-40754 consumes very low power, typically 240mW at 2.9V supply, allowing it to be used in high density ...

Cost-effective and compact PAM4 DCI y FSP 3000 SmartAmp™ for high-power pre-amplification and automated dispersion compensation optimized for PAM4 point-to-point DCI applications

Deploy next-gen 50GbE networks. Our 50G SFP56 transceivers utilize PAM4 technology for 5G fronthaul, available in tailored SR, LR, and ER variants.

The Marvell Ara PAM4 DSP is a next generation solution for GenAI and cloud datacenter interconnects utilizing pluggable transceivers. Ara features eight 200Gbps/channel PAM4 host electrical interfaces, ...

Cost-effective and compact PAM4 DCI FSP 3000 SmartAmp™ for high-power pre-amplification and automated dispersion compensation optimized for PAM4 point-to-point DCI applications

The Marvell's PAM4 optical DSP portfolio addresses the critical the need for high-bandwidth optical interconnects to power AI infrastructure. Marvell leads the pluggable module ecosystem with low ...

SAXONBURG, PA., July 24, 2025 Coherent Corp. announces the addition of the 56 Gbaud PAM4 transimpedance amplifier (TIA) to its open-market ASIC portfolio. Designed for next-generation 400G ...

The two cascaded phase modulator in each branch modulates the NRZ electrical signal to a four phase fixed power optical signal; when combined by the coupler, the output signal is with four different ...

Designed for 400G and 800G optical networks, Coherent's CHR1065 100G transimpedance amplifier (TIA) operates at 56 Gbaud using PAM4 modulation. It joins the company's ...



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