25G Transimpedance Amplifier Order

The MATA-37244 includes a high-sensitivity TIA with selectable bandwidth to support legacy data rates, a limiting amplifier and an output driver with programmable output swing and de-emphasis.

Choosing the right amplifier requires an understanding of the relationship between an amplifier"s GBP, the desired transimpedance gain and closed-loop bandwidth, and the input and feedback capacitances.

GN7060 includes several patented innovations with very low input noise and high dynamic range for burst mode applications. The GN7060 can be used with Semtech"s ClearEdge® GN2146 ...

minisilicon provides a variety of transimpedance amplifier (TIA) chip products, which use SiGe technology. It can realize wide-band low-noise preamplification of PIN or APD photodetector current ...

The MATA-02239 is a burst-mode transimpedance amplifier aimed at addressing 10G XGS-PON and 10G EPON OLT applications. The output settling time meets 10G XGS-PON timing requirements ...

GN7060 is a high sensitivity multi-rate burst mode transimpedance amplifier (TIA) that exceeds the sensitivity and response time requirements of next generation 25GS-PON and asymmetric HS-PON ...

Current Pre-emphasis Jitter Gain Output amplitude. Clean eye-diagrams up to 25 Gb/s (Performance will be improved with real PD.) Monolithic SiGe BiCMOS VCSEL driver and TIA ICs for multi-channel ...

Semtech offers a broad portfolio of fully integrated BiCMOS and pure CMOS transimpedance amplifiers (TIAs) providing wideband, low noise pre-amplification of a current signal from a PIN or APD ...

We do not purchase any parts containing conflict minerals and check that the used components and materials are RoHS and REACH compliant. Please, fill this form to send us your request.

Let"s consider the following as a starting point: Cf = 1pF, Rf=25G, Ip = 80pA, Ci=10pF with OPA291 or LPV521. All that tightly integrated with a careful PCB design to control leakage currents and stray ...

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