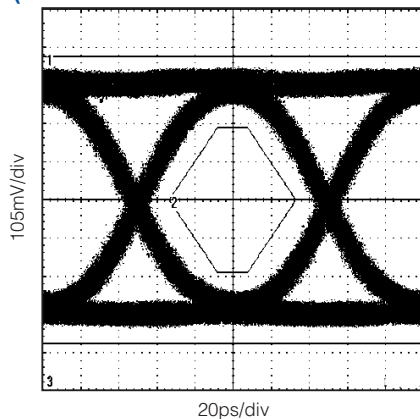


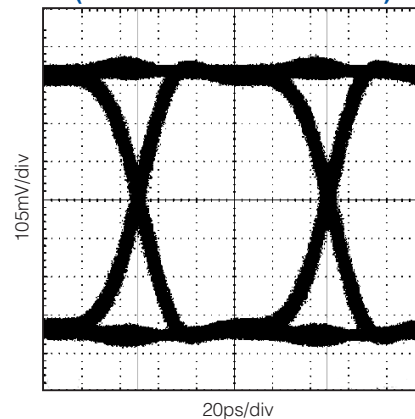
11.1Gbps, LOW-COST SIGNAL CONDITIONERS PROVIDE LOW 4mUI_{RMS} JITTER GENERATION FOR XFP MODULES

The MAX3991 and MAX3992 are ideal for receive and transmit signal conditioning in 10Gbps XFP modules. The devices operate using a single 3.3V supply from 9.95Gbps to 11.1Gbps. The MAX3991 and MAX3992 operate over a 0°C to 85°C temperature range and are available in 24-pin, 4mm x 4mm QFN packages.

**MAX3991 OUTPUT
(MEASURED AFTER XFP CONNECTOR)**



**MAX3992 OUTPUT
(AFTER 15in FR4 AT INPUT)**



MAX3991 Rx Signal Conditioner

- ◆ >0.6UI High-Frequency Jitter Tolerance
- ◆ XFI Compliant Output
- ◆ 7mV_{p-p} Input Sensitivity (BER 10⁻¹²)
- ◆ LOL and LOS Indicators

MAX3992 Tx Signal Conditioner

- ◆ Equalizes Up to 15in of FR4
- ◆ 4mUI_{RMS} Output-Jitter Generation
- ◆ 4-6ps_{p-p} Output Deterministic Jitter
- ◆ XFI Compliant Input

Part	Description	Temp Range (°C)	Package	Price† (\$)
MAX3991UTG	XFP Rx signal conditioner	0 to +85	24-QFN	10.00
MAX3992UTG	XFP Tx signal conditioner	0 to +85	24-QFN	10.00

†50k-up recommended resale. Prices provided are for design guidance and are FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.



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