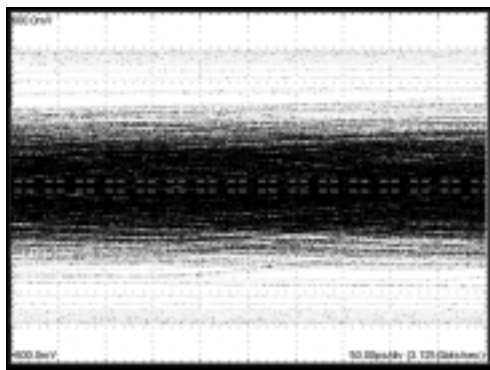


# WORLD'S SMALLEST 3.2Gbps ADAPTIVE CABLE EQUALIZER

## Transmit 3.2Gbps Data Over 30 Meters of Copper Cable

Maxim's adaptive equalizers enable low-cost, high-speed system interconnections at data rates up to 3.2Gbps using inexpensive cables or printed circuit boards. It automatically adjusts for attenuation caused by skin effect losses (30dB at 1.6GHz). The MAX3801 features an adaptive cable equalizer, loss-of-signal indicator, cable length integrity monitor, and on-chip terminations. All this can be achieved with only 125mW of power consumption at 3.3V.

3.2Gbps EQUALIZER INPUT AFTER 30 METERS OF COAX CABLE

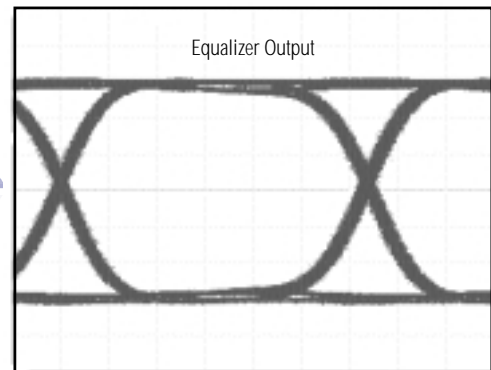


50ps/div



ACTUAL SCOPE DATA

3.2Gbps MAX3801 EQUALIZER OUTPUT



50ps/div

## 3.2Gbps Adaptive Cable Equalizers Work on PCB Too!

PART	INPUT DATA RATE (Gbps)	DESCRIPTION	SUPPLY (V)	POWER (mW)	PIN-PACKAGE	PRICE (\$)*
MAX3800	Up to 3.2	Adaptive Cable Equalizer and Cable Driver	3.3	200	32-TQFP	9.95
MAX3801	Up to 3.2	Adaptive Cable Equalizer	3.3	125	24-QFN	8.50

\*1000-up recommended resale, FOB USA



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