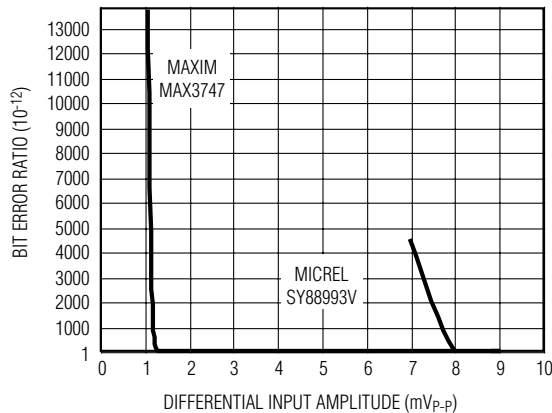


MULTIRATE POSTAMP PROVIDES BETTER SENSITIVITY WHILE CONSUMING 30mW LESS THAN COMPETITION

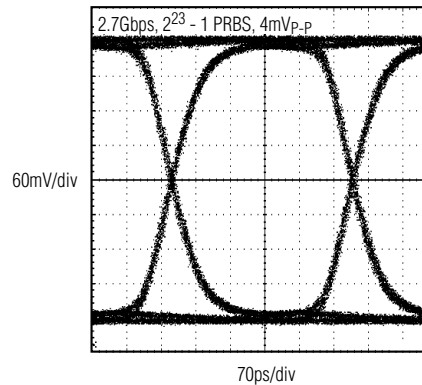
155Mbps to 3.2Gbps Limiting Amp Is Pin Compatible to the SY88993 and Provides 20dB Higher Gain

MAX3747	COMPETITION
◆ 57dB Gain	◆ 36dB Gain
◆ 100mW Power	◆ 130mW Power
◆ 500mV _{p-p} Output	◆ 400V _{m p-p} Output
◆ Integrated Offset Correction Loop	N/A

MAX3347 vs. SY88993 SENSITIVITY



OUTPUT EYE DIAGRAM (MINIMUM INPUT)



Part	Description	Temperature Range (°C)	Data Rate (bps)	Output Swing (mV _{p-p})	Pin-Package	Price† (\$)
MAX3747EUB	Limiting amplifier	-40 to +85	155M to 3.2G	500	10-μMAX	4.50
MAX3747AEUB	Limiting amplifier	-40 to +85	155M to 3.2G	800	10-μMAX	4.50

†1000-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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