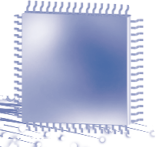




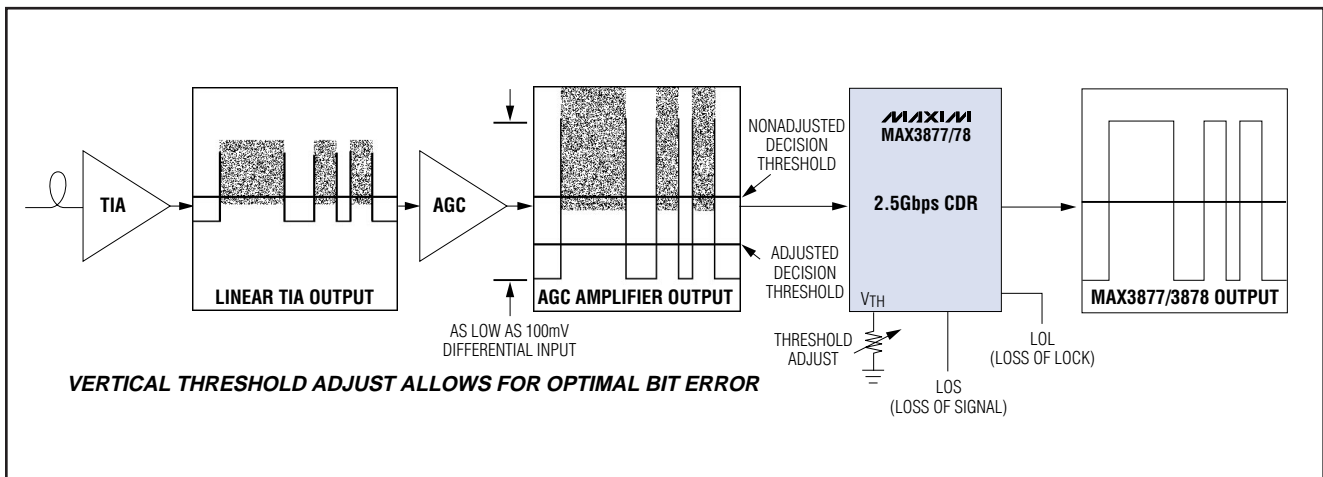
FIBER INNOVATIONS FROM MAXIM



2.5Gbps CDRs WITH VERTICAL THRESHOLD ADJUST MINIMIZE BIT ERRORS

Vertical Threshold Adjust (V_{TH} Adj.) as Low as 100mV Differential Input

The MAX3877/MAX3878 are 2.5Gbps CDRs with vertical threshold adjust, allowing the user to re-center the vertical decision point of an optically amplified input data signal, thus optimizing BER performance. These devices consume only 500mW of power, making them the ideal choice for metro and long-haul optically amplified DWDM networks.



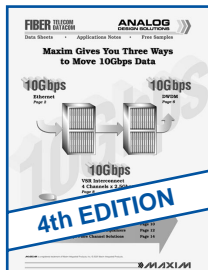
PART	INPUT SENSITIVITY (mV)	OUTPUT LEVEL	LOL/LOS	V_{TH} ADJ.	PHASE ADJ.	EXT. REF CLOCK REQUIRED	HOLDOVER CAPABLE W/ REF. CLOCK	TYPICAL POWER (mW)	JITTER GENERATION (mUI)
MAX3878	10	PECL	LOL/LOS	Yes	Yes	No	Yes	500	3
MAX3877	10	CML	LOL/LOS	Yes	Yes	No	Yes	540	3
MAX3876	50	CML	LOL	No	No	No	No	445	3.7
MAX3875	50	PECL	LOL	No	Yes	No	No	400	3

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