QuickView - MAX3986 1Gbps to 10.3Gbps Linear Equalizer

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				Μ	AX3986			
				1Gbps to 10	.3Gbps Linear E	qualizer		
Stand	I-Alone E	qualizer	Also W	orks in (Conjunction	with Decision Fee	dback Equa	lizers
QuickView	Technica	I Document	s Orde	ring Info	More Informati	on User Comments (0) All	
Status								
Active: In Pro	duction.							
Description						up to 10.3Gbps that		
range of the M equalization o manufacturing is housed in a	//AX3986 pro f the MAX39 g variations lead-free, 5	eserves the 986 adds to or to increa 5mm x 7mn	essential the effect se the len TQFN pa	signal chara iveness of tl gth of the tr	cteristics neede he DFE. This inc	by reflections and crossta d for optimum DFE perfor reases margin to tolerate The MAX3986 operates f	mance. The ana environmental a	log and
An evaluation		ole: MAX39	86EVKII					
Key Features						Applications		
 Increases Margin of Decision-Feedback Equalizers Compatible with OOB Signals Extends Transmission Line Length Coding Independent, 8b/10b or Scrambled 4 Channels per Device Analog Equalization Better Than 18dB Return Loss at 5.15GHz 33mA per Channel Supply Current Single 3.3V Supply 						 6Gbps SAS 8.5Gbps Fibre Channel Active Copper Cable Assemblies DDR, 6.25Gbps IEEE 802.3ae XAUI High-Speed Backplanes OIF-CEI-6G QDR, 10.0Gbps InfiniBandSM Serial 10.3Gbps Ethernet 		
	x 7mm, Lea		N Package					
Key Specifica	ations: Fa	ualizers (C	able and	Circuit Bo	ard)			
ney opcomo	Data Rate	Data Rate				Smallest Available Pckg.		Price
Part Number	(Mbps) min	(Mbps)	V _{SUPPLY} (V)	Channels	Package/Pins	(mm ²)	Oper. Temp. (°C)	See Notes
MAX3986	1000	max 10300	3.3	4	TQFN/38	max w/pins 36	0 to +85	\$20.45 @1k
			See A	II Equalizers	(Cable and Circu	uit Board) (18)		
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