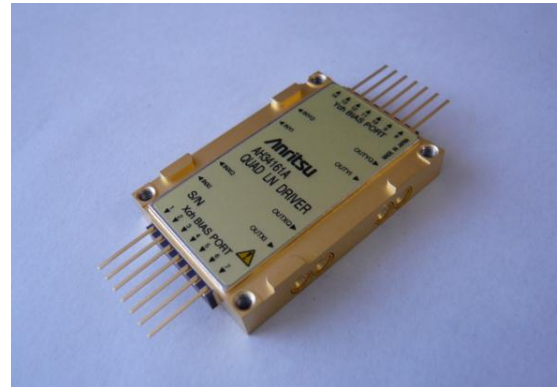


AH34161A

32Gbit/s QUAD LN DRIVER

Features

- 4 circuits / package
- High output voltage: 7.5Vp-p typ.
- Low power consumption: 6.5W typ.
- I/O interface: GPP0 connector compatible



Applications

Driver for 100G DP-QPSK optical modulators

Specifications

Electrical characteristics

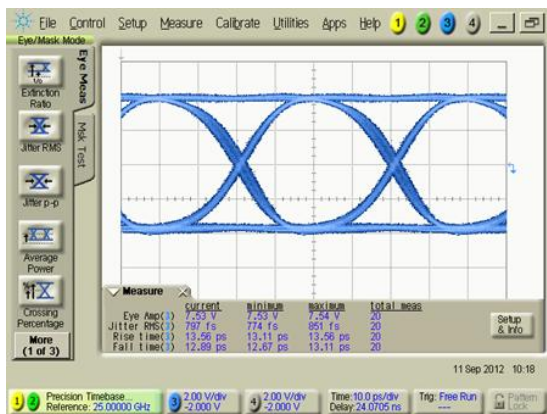
Tc=30°C, Zin=50 ohms, Zout=50 ohms

Items	Conditions	Units	Specifications		
			min.	typ.	max.
Bit rate	NRZ	Gbit/s	32		
Max. Output voltage ^{*1}	Vin=0.5Vp-p 32Gbit/s	Vp-p	7	7.5	6
Min. Output voltage ^{*1}					
Additional jitter ^{*1}		fs rms		600	
Rise time / Fall time ^{*1}	20-80%	ps		12	
Cross point adjustability ^{*1}		%	45	50	55
Bandwidth	-3dB (low end)	kHz		100	
	-3dB (high end)	GHz		25	
Output polarity		-	Non-inverted		

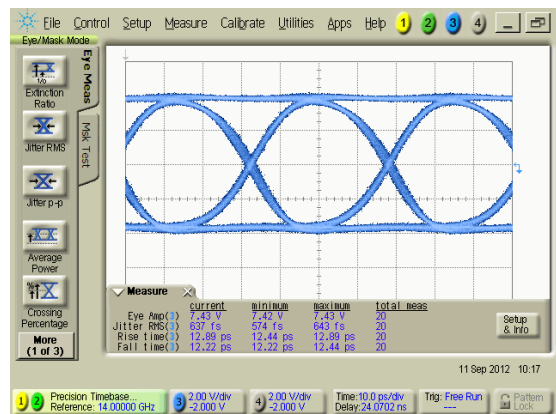
*1: Measured by 86118A 70GHz remote sampling head with 86107A precision time base, manufactured by Agilent Technologies

Characteristics

25Gbit/s Eyepattern



28Gbit/s Eyepattern



Specifications are subject to change without notice.