



100 Gb/s Mux & DMux



Application

- 100GBaud transmission (OOK, DPSK)

Features

- 2:1 100G Multiplexer
 - 2 up-to-50G 400mV in;
 - 2 (differential) up-to-100G 2V output
- 1:2 100G Sensitive Demultiplexer
 - 1 up-to-100G input (down to 60mV @ 100G);
 - 2 differential up-to-50G 400mV output

Specifications at 25°C

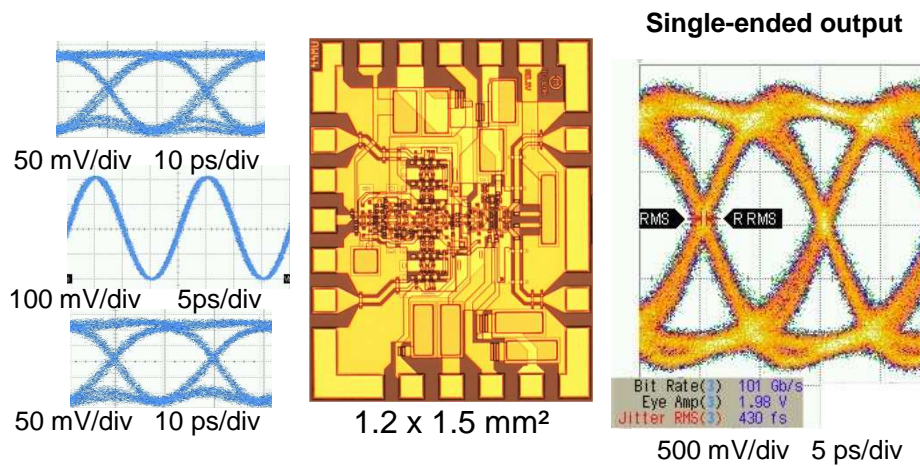
Parameters	Min	Typ.	Max	Unit
MUX Input Data Rate		40	50	Gb/s
MUX Input Data Swing		400		mV
MUX output Data rate			100	Gb/s
MUX Output Data Swing			2 (SE) x 2	V
			4	V
			(differential)	
DMUX Input Data Rate		80	100	Gb/s
DMUX Input Data Swing	60	200	400	mV
DMUX output Data rate			50	Gb/s
DMUX Output Data Swing			400	mV

Figures are not contractual. III-V Lab reserves the right to make changes to the products or information contained herein without notice.

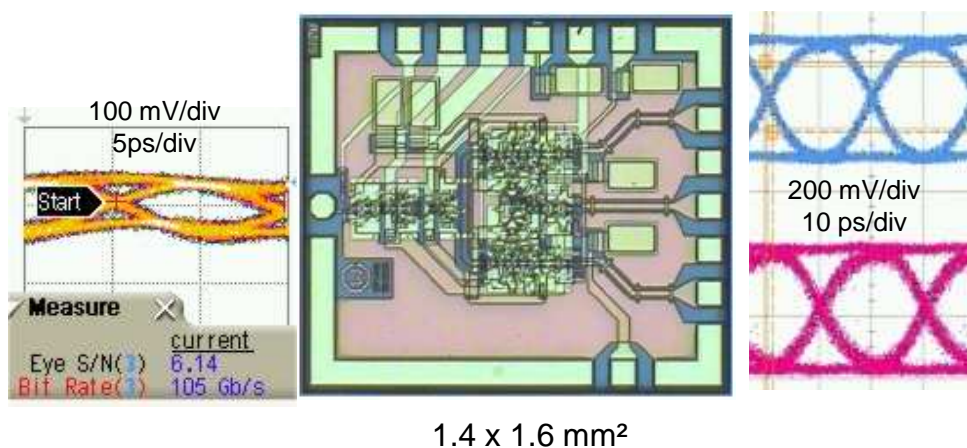
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Typical performances

100G MUX inputs and output



100G DMUX input and outputs



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