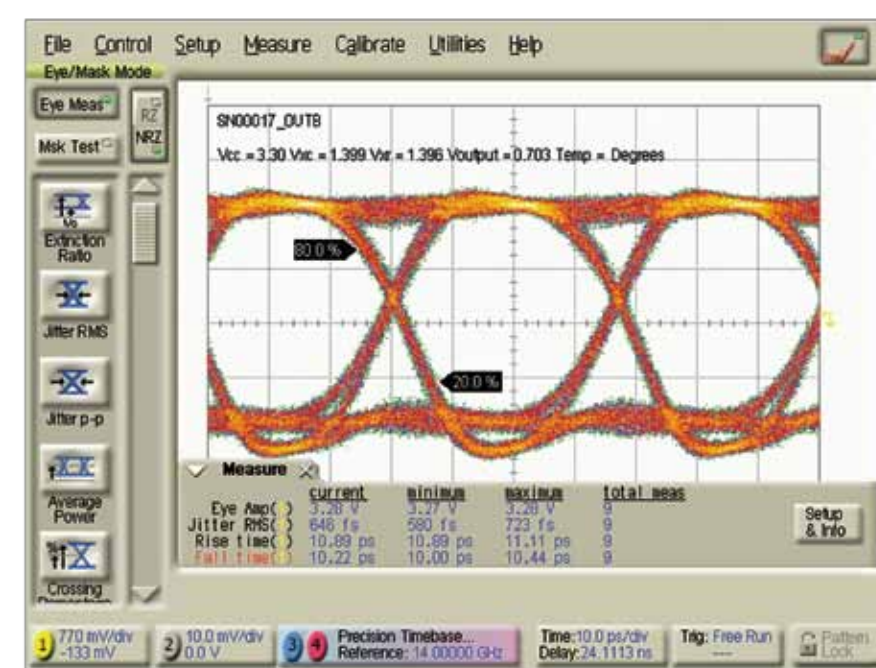


Modulator Drivers & TIAs for 100G

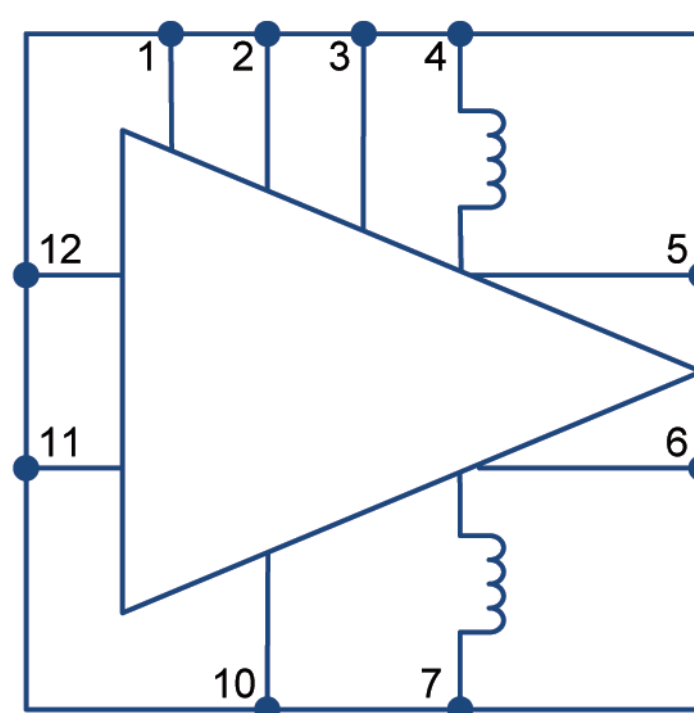
MAOM-002108: 28 Gbps Differential Modulator Driver

Features

- > 100G ODB, 40G DP-BPSK and 40G DQPSK applications
- > NRZ data rate up to 28 Gbps
- > Output amplitude: up to 7 Vpp differential
- > Input voltage: (Diff./each port) 250 mVpp-500 mVpp
- > Power consumption (typ): 1.3 W @ output of 6 Vpp differential
- > Surface mount package (4.7 mm x 6.5 mm)



Eye Diagram: xx Gbps, Vin=xxx mV, Vdd=x V

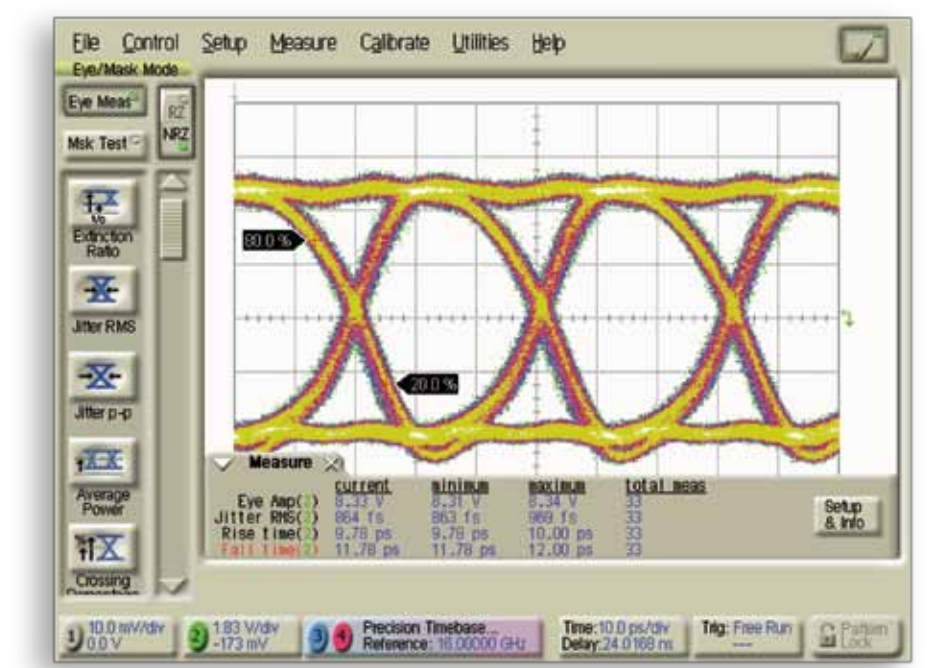


Surface Mount Package
4.7 mm x 6.5 mm

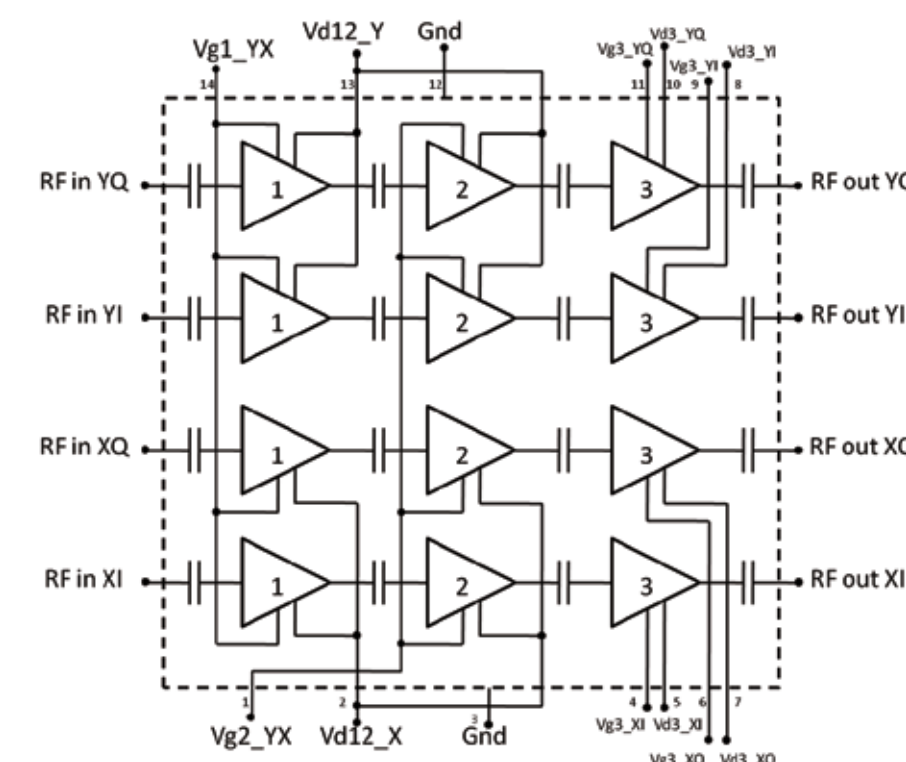
MAOM-003105: 32 Gbps Lithium Niobate Modulator Driver

Features

- > 100G DP-QPSK transponder and DP-QPSK line card
- > NRZ data rate up to 32 Gbps
- > Output amplitude: 8 Vpp single ended
- > Input voltage: (single ended) 350 mVpp-550 mVpp
- > Power consumption (typ): 7.8 W @ output of 7.5 Vpp
- > GPPO module: 24.51 x 34.67 x 5.44 mm



Eye Diagram: 32 Gbps, Vin=400 mV

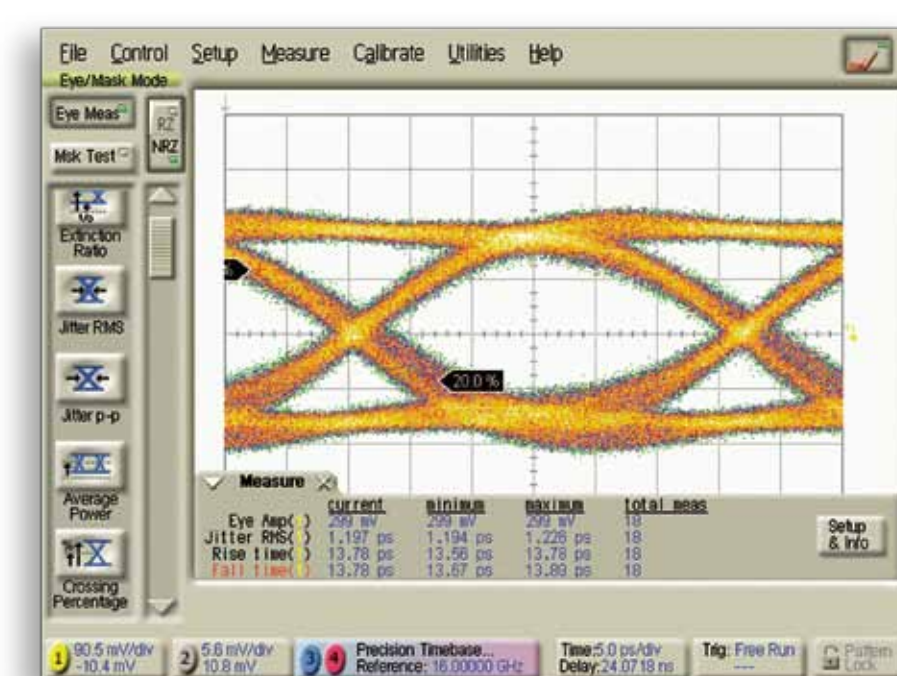


24.51 mm x 34.67 mm x 5.44 mm

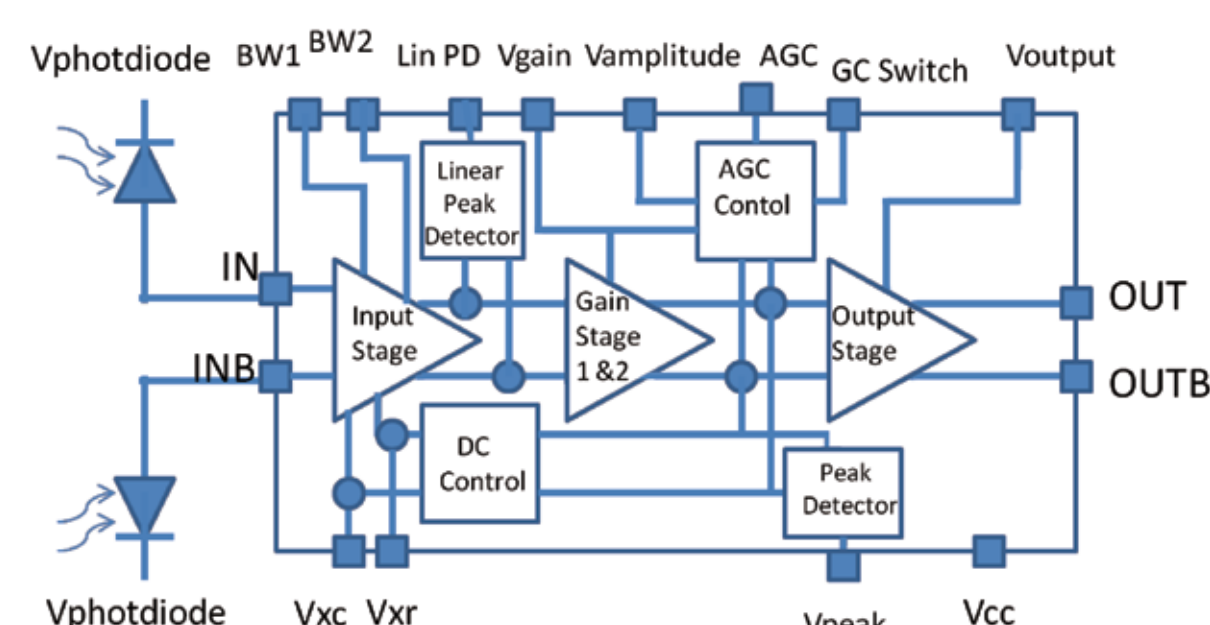
MATA-03802A: 32 Gbps Dual Channel Linear TIA

Features

- > 100G Gbps DP-QPSK receiver application
- > Dual channel linear TIAs with AGC
- > NRZ data rate up to 32 Gbps
- > Transimpedance gain: 200 Ω to 5 k Ω
- > Adjustable bandwidth: 17-25 GHz (typ)
- > Low power consumption: 350 mW (typ) /channel
- > Includes linear peak detector output



Eye Diagram: 32 Gbps, Vin=xxx mV, Vdd=x V



MATA-002902: 28 Gbps Dual Channel Limiting TIA

Features

- > 100G Gbps Ethernet ROSA application
- > NRZ data rate up to 28 Gbps
- > Output amplitude (limiting) 250-350 Vpp single ended
- > Transimpedance gain: 6k ohm (typ) differential
- > 3 dB bandwidth: 22 GHz (typ)
- > DC offset compensation
- > AGC functionality to increase dynamic range

