

## Applications

- 11.3 Gbps EML Driver for Optical Systems



24-L 4x4 mm QFN package

## Product Features

- 11.3 Gbps EML Driver
- Differential Input/ Differential Output
- Power dissipation: 0.44 W @ 2.3 Vpp
- Adjustable Crossing: 35 – 70 %
- Maximum DC Output Offset: 1.2 V
- Output Swing: >2.3 Vpp SE; >4.6 Vpp Diff
- Rise/Fall Time: 28 ps
- Package Dimensions: 4.0 x 4.0 x 0.85 mm

## General Description

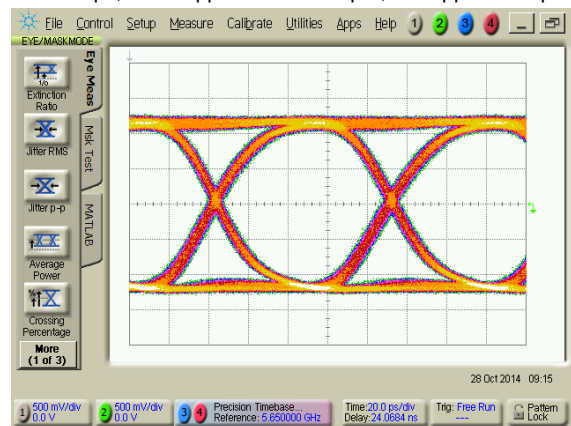
The TQP5115 is an 11.3 Gbps EML driver with power consumption of 0.44 W @ 2.3 Vpp single-ended (4.6 Vpp differential) output with typical rise and fall time of 28 ps.

The TQP5115 can be run with either a single-ended or differential input as well as single-ended or differential output. This part can be run with either DC or AC coupling on the output. DC coupling requires 5 V on VD2. AC coupling can be run with 3.3 V on VD2.

The TQP5115 is lead-free and RoHS compliant. Evaluation boards are available upon request.

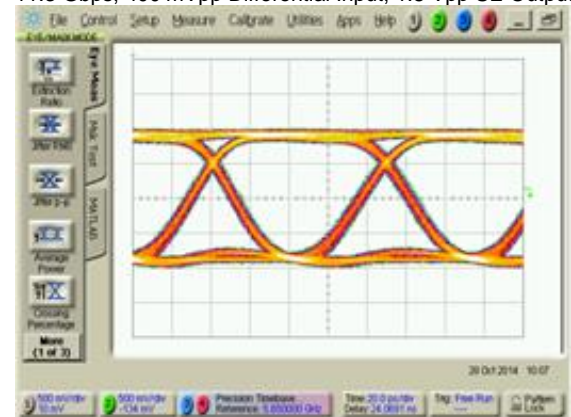
## Measured Data

Vd1 = Vd2 = 3.3 V, Id1 = 51 mA, Id2 = 84 mA, 25 °C  
11.3 Gbps, 400mVpp Differential Input, 2.3 Vpp SE Output



## Measured Data

Vd1 = Vd2 = 3.3 V, Id1 = 51 mA, Id2 = 63 mA, 25 °C, 77% crossing  
11.3 Gbps, 400 mVpp Differential Input, 1.8 Vpp SE Output



## Ordering Information

Part No.	ECCN	Description
TQP5115	5A991.b	11.3 Gb/s EML Driver

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Laser Drivers](#) category:*

*Click to view products by [Qorvo](#) manufacturer:*

Other Similar products are found below :

[AXXSATADVDRWROM937575 937575](#) [ADN2872ACPZ](#) [AD9665ACPZ-REEL7](#) [ADN2841ACPZ-48](#) [ADN2847ACPZ-32](#) [ADN2871ACPZ](#)  
[ADN2841ACPZ-32](#) [HMC7144LC4](#) [HMC7144LC4TR](#) [HMC7150LP3DE](#) [HMC7810ALC3](#) [DS1873T+](#) [DS1874T+](#) [MAX3946ETG+T](#)  
[MAX3740AETG+T](#) [MAX3643ETG+T](#) [MAX3646ETG+](#) [MAX3656ETG+](#) [MAX3949ETE+](#) [MAX3949ETE+T](#) [MAX3736ETE+T](#)  
[MAX3869ETJ](#) [MAX3798ETJ+](#) [MAX3737ETJ+](#) [DS1863E](#) [SY88422LMG](#) [MAX3669EHJ](#) [SY88992LMG-TR](#) [SY84782UMG](#)  
[SY88022ALMG](#) [SY88992LMG](#) [SY88236LMG](#) [SY88432LMG-TR](#) [SY88432LMG](#) [ONET1151LRGET](#) [ONET1151PRGTT](#)  
[ONET4201LDRGER](#) [ONET4201LDRGET](#) [ONET4211LDRGET](#) [ONET1101LRGER](#) [ONET1151LRGER](#) [ONET8501VRGPT](#)  
[MAX3948ETE](#) [MAX3946ETG+](#) [MAX3996CTP+](#) [MAX24002TL+](#) [DS1864T+](#) [DS1862B](#) [MAX3738ETG+](#) [MAX3643ETG+](#)