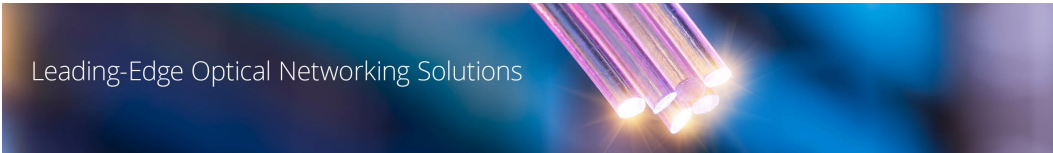## OPTICAL NETWORKING

- FTTH/PON
- Optical Ethernet Framers and Mappers
- Optical SONET/SDH
- OTN
- WinPath Network Processors
- Switches (Crosspoint and TDM/TSI)
- T1/E1 & T3/E3 Interfaces
- Optical Modulator Drivers
  - OA3HVQDSL
  - OA3SSQL

Leading-Edge Optical Networking Solutions

OA3HVQDSL

Quad Channel 32 Gb/s 7.0 V Surface Mount Linear and Limiting Modulator Driver Amplifier

Overview   Documents

Product Description

The Microsemi OA3HVQDSL offers the performance of traditional coaxial type drivers used for modulator in ultra-long-haul applications, but in a much smaller surface mount package. OA3HVQDSL is a four channel high-performance broadband 32 Gb/s, adjustable gain, differential input, single-ended output LiNbO3 or InP optical modulator driver amplifier for long haul, core, and regional optical transponders utilizing DP-QPSK and PAM-4 modulation techniques. The driver is capable of 7.0 Vpp output swing typical operating in limiting mode or 5 Vpp output typical operating in linear mode with low Total Harmonic Distortion. OA3HVQDSL has internal built-in bias-Ts in order to reduce the number of components on smaller circuit boards used within small form factor transponders.

ROHS

Options

Option Number	Option Details
OA3HVQDSL	Quad Channel 32 Gb/s 7.0 V Output Modulator Driver SMT
OA3HVQDSL-E	OA3HVQDSL Evaluation Kit (includes: SMT, eval board, bias board, dc cable, power supply, heat sinks. Connectors: Male GPPO. Power cord ordered separately)
OPT101	European Power Cord
OPT102	UK Power Cord
OPT103	Domestic Power Cord
OPT109	China Power Cord

Purchase Parts

Model Number	Availablity	Price	Get a Quote
QA3HVQDSL	Contact Us	Contact Us	Get a Quote

Product Performance

Description/Application	Gain(dB)	Amplitude(Vp-p)	Rise/Fall Time(ps)	Added RMS Jitter(ps)	Watts per Ch
Quad Channel 32 Gb/s 7.0 Vpp LiNbO3 or InP Modulator Driver Amplifier SMT	25	7.0	13.5	0.7	1.54 @ 6 Vpp output

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