

VSC7224 and VSC7224-01

4-Channel Multirate Adaptive Channel Extender

Key Benefits

- Simple-to-use device
- Low module and system power consumption
- Fully adaptive analog and digital equalization
- Wide range of data rate operation with 25 MHz crystal and built-in frequency synthesizers
- LOS detection
- Built-in VScope input signal monitoring integrated circuit eye diagram monitoring

Architecture

- Two-wire serial port for optional microcontroller and VScope input signal monitoring integrated circuit
- Pin-strap option for operation without microcontroller
- World-class adaptive equalization: 28 dB input equalization, Four-tap decision feedback equalizer (DFE)
- Built-in diagnostics
- Two-wire serial interface

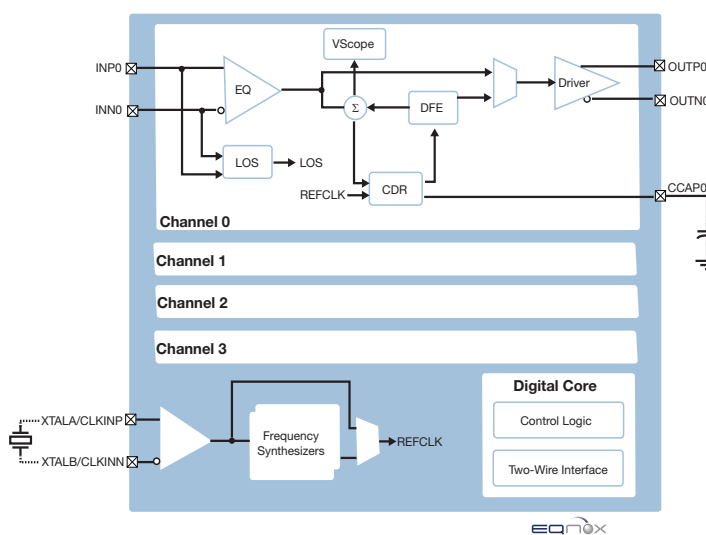
Key Specifications

- 1.2 V single power supply
- 180 mW per channel power consumption (retimer)
- 110 mW per channel power consumption (re-driver)
- Compact 5 mm × 9 mm QFN package

Related Products

Visit www.microsemi.com for information about these related products:

- VSC7111 quad signal conditioner with up to 11.5 Gbps asynchronous operation
- VSC7227 twelve-channel multirate adaptive channel extender
- VSC8494 quad channel 10 Gbps OTN PHY with VeriTime™



EQ10X



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