

VSC7227 and VSC7227-01

12-Channel Multirate Adaptive Channel Extender

Key Benefits

- Simple-to-use devices
- Low module and system power consumption
- Fully adaptive analog and digital equalization
- Wide range of data rate operation supporting multiple protocols, including Ethernet, Fibre Channel, Infiniband, and CPRI
- 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 including greater than 30 dB input equalization and four-tap decision feedback equalizer (DFE)
- Built-in self test (BIST)

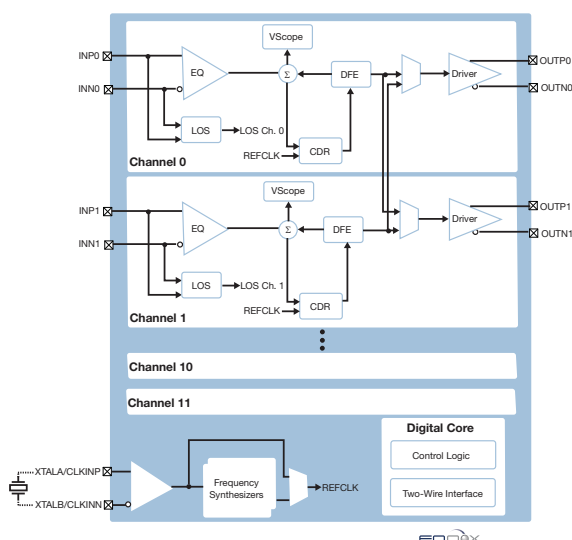
Key Specifications

- 1.2 V single power supply
- 150 mW per channel power consumption
- Two-wire serial interface
- DC coupling to high-speed inputs
- 13 mm × 13 mm BGA 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
- VSC7224 four-channel multirate adaptive channel extender
- VSC8494 quad channel 10 Gbps OTN PHY with VeriTime™



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