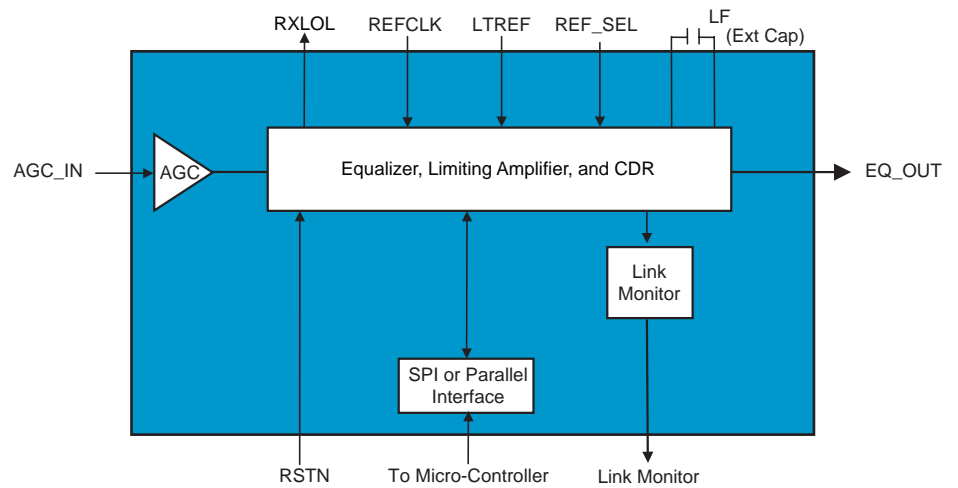


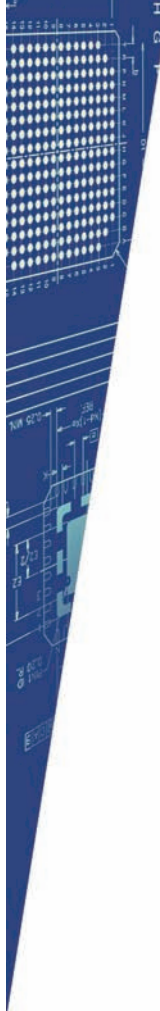
FEATURES:	BENEFITS:
▶ Multitap FFE and DFE filter	▶ Provides superior modal dispersion compensation at 10GBASE-LRM specifications
▶ Integrated CDR and XFI output driver	▶ Provides XFP-compatible Rx CDR for XPF LRM modules
▶ Integrated AGC and offset controls	▶ Provides robust handling of wide TIA input signal range conditions

FUNCTIONAL BLOCK DIAGRAM:



APPLICATIONS:

- ▶ XENPAK/X2 10GBASE-LRM module applications
- ▶ XFP 10GBASE-LRM module applications



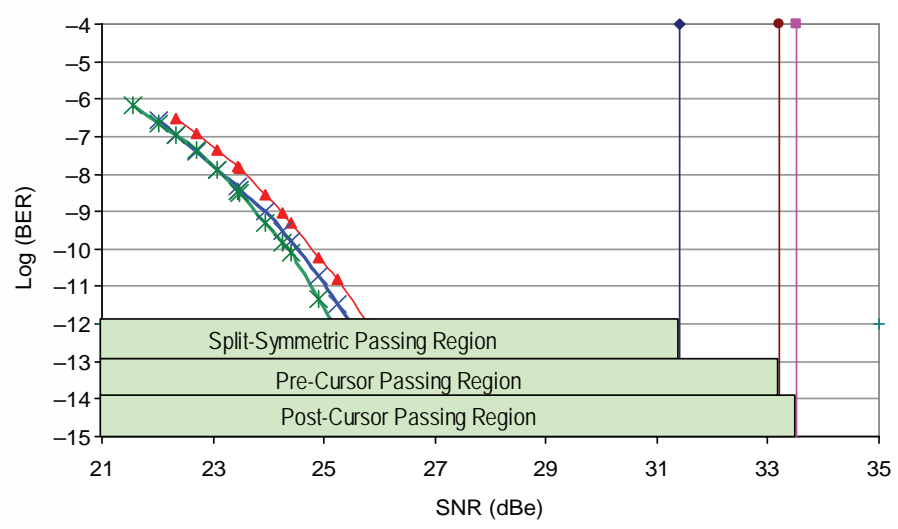
VSC8238

incorporating a sophisticated feed-forward equalization (FFE) and decision feedback equalization (DFE) architecture. The device is designed to operate at 10.3125 Gbps for use in 10GBASE-LRM Ethernet applications. The receive chain within the VSC8238 device incorporates a low-noise automatic gain-controlled amplifier, a high-speed adaptive

high level of signal impairment compensation to multimode fiber applications. The VSC8238 device is the first 10GbE device in the market meeting the LX-4 compliant performance requirements for transmission up to 300 meters on 99% of the ins

VSC8238 STRESSOR ELECTRICAL PERFORMANCE :

IEEE802.3aq/D3.1 220 m post-cursor, pre-cursor, and split-symmetric stressor performance as a function of log BER versus SNR (nominal conditions, input: ~400 mV differential)



SPECIFICATIONS :

- ▶ Exceeds IEEE 802.3aq Draft 4.0 specifications for 10GBASE-LRM performance
- ▶ Passes the following LRM stressor tests:
 - Split-symmetric 4.75 dB PIE-D stressor (300 m)
 - Post-cursor 4.56 dB PIE-D stressor (300 m)
 - Pre-cursor 4.48 dB PIE-D stressor (300 m)

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