



## Applications

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## Standards

- *ah<sup>TM</sup>*
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## Descriptions

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## Block diagram



Figure 1



*Coupled into 9/125um.*

*Measured with PRBS 2<sup>7</sup>-1 test pattern @ 1.25Gbps.*

*Refer to Timing Parameter Definition in Burst Mode Sequence, See Figure 4.*

*Measured with the Bessel-Thompson filter ON.*

*DC coupled internally and terminated internally (see the recommended circuit below).*

*See Figure 5.*

*Measured with PRBS 2<sup>7</sup>-1 test pattern @ 1.25Gbps with TX on, ER= 10dB, BER= 10E-12.*

*An increase in optical power above the level will cause the Signal Detect output to switch from a low state to a high state, Refer to Timing Parameter Definition of RX ALM Assert/Dessert time, see Figure 6.*

*A decrease in optical power below the level will cause the Signal Detect output to switch from a high state to a low state, Refer to Timing Parameter Definition of RX ALM Assert/Dessert time, see Figure 7.*

*AC coupled internally (see the recommended circuit below).*

*Test from 45MHz to 1000MHz.*

*Test at -6~+2dBm Optical Input Power, The 79 analog(NTSC) channels (OMI4.3%) and 79 digital(64 or 256 QAM) channels (OMI2.15%). The equivalent value of the digital channels' RF level is 6dB lower than the analog channels'.*

*Test at -6dBm Optical Input Power, The 79 analog(NTSC) channels (OMI4.3%) and 79 digital(64 or 256 QAM) channels (OMI2.15%). The equivalent value of the digital channels' RF level is 6dB lower than the analog channels'.*

*Test at +2dBm Optical Input Power, The 79 analog(NTSC) channels (OMI4.3%) and 79 digital(64 or 256 QAM) channels (OMI2.15%). The equivalent value of the digital channels' RF level is 6dB lower than the analog channels'.*

*Test from 45MHz to 1000MHz.*

**Within 15% of optical steady state**



**Figure 4**

## Regulatory Compliance

Feature	Test Method	Performance

## Ordering Information

Part No.	Specifications	Application

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*The length of pigtail is normal 255mm ± 20mm (the length of connector is included).*