

**DIGITAL 2ch VIDEO & 4ch DATA / 2ch AUDIO LINK**  
**PRODUCT SPECIFICATION** **EL – 2V2A4D1202 TX / RX SERIES**

**SPECIFICATIONS**

**VIDEO**

Video Input: 1 volt pk-pk ( 75 ohms )  
 Video Bandwidth: 10 Hz – 10 MHz  
 Differential Gain: <0.7%  
 Differential Phase: <0.7°  
 Tilt: <1%  
 Signal-to-Noise Ratio: >67dB

**DATA**

Data Interface: RS-232,RS-422, RS-485  
 with Tri-State  
 Data Format: NRZ,RZI,Manchester, Bi-phase  
 Data Rate: DC – 300Kbps (NRZ)  
 Bit Error Rate: < 1 in 10 E-9  
 Operating Mode: Simplex or Full-Duplex

**AUDIO**

Audio output: 0dBm ( 2.2V pk-pk )  
 Audio Bandwidth: 20 Hz – 20 KHz  
 Total harmonic distortion: -82dB  
 Channel crosstalk: -100 dB at 1 KHz  
 Signal-to-Noise Ratio: >87dB

**WAVELENGTH** 1310/1550nm

**OPTICAL EMITTER** Laser Diode

**NUMBER OF FIBER** 1Core

**LED INDICATORS**

- . Video Transmitter/ Data Transceiver/Audio Receiver
    - .Video level LED / OPTION
    - .Received Data
    - .Transmitted Data
    - .Operating Power
    - .Audio level LED
  - .Video input level
  - .Video status
  - .Received Data
  - .Transmitted Data
  - .Operating Power
  - .Audio level LED
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- .Video Receiver/ Data Transceiver/Audio Transmitter
    - .Video level LED / OPTION
    - .Received Data
    - .Transmitted Data
    - .Operating Power
    - .Audio level LED
  - .Video output level
  - .Optical status
  - .Video status
  - .Received Data
  - .Transmitted Data
  - .Operating Power
  - .Audio level LED

**CONNECTORS**

Video: BNC (Gold Plated Center-Pin)  
 Data: Terminal Block with Screw Clamps,  
 Type DB-9 Connector (RJ-45)  
 Audio: RCA Connector  
 Optical: ST or SC Connector

**ELECTRICAL & MECHANICAL**

Power: 12 VDC @ 400mA  
 Surface Mount: From Rack  
 Number of Rack Slots: 6  
 Current Protection: Automatic Resettable Solid-State  
 Current limiters

**Size( WxHxD )**

Module Type 123 x 48 x 220mm  
 3u Card Type 48 x 128 x 224mm  
 2u Rack Mount 483 x 88 x 330mm  
 3u Rack Mount 483 x 132 x 290mm

**ENVIRONMENTAL**

MTBF: > 100,000 hours  
 Operating Temp: -40°C to +74°C  
 Storage Temp: -40°C to +85°C  
 Relative Humidity: 0% to 95% (non-condensing)

**SYSTEM DESIGN**

