

EVOT ASI and Optical Converter

V-SHINE

Application

Optical fiber is widely deployed around the world. The transmission properties of the optical fiber are superior to the copper cable. Low weightless sensitive to cross talk and electromagnetic immunity in addition to extremely low signal attenuation makes single mode optical fiber a better choice than coaxial cable when the distance is longer than a hundred meters.

The V-SHINE[®]EVOT ASI and Optical converter is a multi bit rate transceiver. The ASI signals is converted to optical signals at the transmitter end, and converted back to electrical signals again at the receiver.



Key features

- Accepts wavelength 1310nm
- Available as dual way converter
- for increased packing density
- Fully SMPTE 297M compliant
- 15Km , 40Km versions

Interface Specifications

ASI Input

Number of inputs: 2
Connector: BNC, 75 Ω
188 / 204 byte packets auto detection

ASI Outputs

Number of inputs: 4 Connector: BNC, 75 Ω

Optical Inputs/Outputs

Number: 2 Connector: SC

ASI Input

Data rate: 270Mbps Impedance: 75 Ω
Connector: BNC Number of inputs: 2
Return loss: > 15dB @270MHz

Optical Input

Data rate optical: 270Mbps
Sensitivity: -31dBm typ.
Minimum input power: -8 dBm
Optical wavelength: 1310 nm
Connector: SC

Optical Output

Connector: SC
Optical wavelength: 1310nm
Optical power (Maximum) : -8 dBm
Optical power (Minimum) : -12 dBm

ASI Output

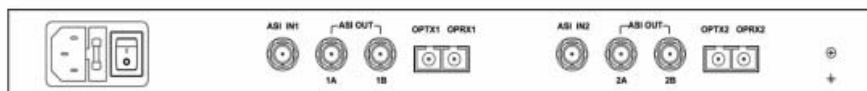
Number of outputs: 4 Connector: BNC
Impedance: 75 Ω
Return loss: > 15dB @270MHz

Physical and power

Dimensions:(W×D×H):
48.3×35.0×4.4cm (19.0"×13.8"× 1RU)
Approx Weight: 6kg
Power Input: 90 - 264Vac
Consumption: 8.0W Maximum

Environmental conditions

Operating temperature:
0. C to 45 . C(32 . F to 113. F)
Relative humidity: 10 - 90%



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