

OC-2B-NRC

Optical Transponder Card for Video

Data Sheet



Description

The OC-2B-NRC module is an optical transponder card for video signal formats. This module is typically used when optical signals need to be converted into CWDM, such as SMPTE-304 camera signals. It has a limited functionality over OC-4B-SDI, but enables a more economical solution to the miniHUB system.

The module can be controlled from the miniHUB WEB control interface (RCONmini).

Features

- Available with 18 CWDM wavelengths
- LEDs show input signal presence
- RCONmini WEB & SNMP control interface
- Optical Power Monitoring
- Backplane compatible to OC-4B-SDI
- Support bit rates up to 12Gbit/s

Part Number Options

Part Number	Temperature *)
OC-2B-NRC	0°C to +45°C
OC-2B-NRC/E	-40°C to +65°C

*) Rated temperature for the complete miniHUB.

Absolute Maximum Ratings

Absolute maximum ratings are those values beyond which functional performance is not intended, device reliability is not implied, and damage to the device may occur.

Parameter	Minimum	Maximum	Unit
Storage temperature (non-operating)	-40	+85	°C
Relative Humidity (non-condensing)	5	95	%

General Operating Conditions

Parameter	
Control	10 way DIP switch, GPI, WEB
LEDs	Card status, Loss of Signal.
Operating modes	<ul style="list-style-type: none">- 1310nm or CWDM depending on selected SFP type- Dual RX to Dual TX (CWDM)- RX/TX to RX/TX (CWDM)
Number of active channels	2
Number of SFP slots	2
Number of active BNC's	0

Transmitter Optical Characteristics

Parameter	Minimum	Typical	Maximum	Unit
Compatible SFP types	Any Norwia video type SFP (NVxx- types)			

Receiver Optical Characteristics

Parameter	Minimum	Typical	Maximum	Unit
Compatible SFP types	Any Norwia video type SFP (NVxx- types)			

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