NCM-OR-200
4 Channels Optical Receiver

DATASHEET



Introduction:

NCM return path optical receiver model OR-200 was carefully designed to be digitally configurable and easy monitoring in a 1RU 19 inch rack mounted unit. OR-200 receives reverse optical signal and delivery low noise and high quality radio frequency from 5MHz to 250MHz. This indoor receiver has four independent internal modules and each module is equipped with its own electronic gain control, RF power meter and Optical power meter.
OR-200 is optimized for CATV headend and remote installation applications.

MADE IN USA

NCM Supplies Inc.
8125 NW 64th Street, Miami, Florida 33166
Phone: 305-640-0461 Fax: 305-639-2684
ncm@ncmsupplies.com | www.ncmsupplies.com

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Features:

1RU 19” rack mounted
Digital configurable
Built-in monitoring
High linearity response
4 independent receiver
Rear F connector RF -20dB test point
Rear SC/APC connectors
Wideband optics 1200-1620nm

Power Meter Specifications:

Module	Unit	Range	Precision
Optical	mW	0.10~1.5	± 0.3
RF	dBmV	20 ~ 50	± 1.5

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General Specifications:

Item	Unit	Technical Parameters
Input optical power	dBm	-10.0 ~ +2.0
Optical wavelength	nm	1200 ~ 1600
Photodiode type	-	InGaAs PIN
Optical modulation mode	-	Direct optical modulation
Connector type	-	FC/APC OR SC/APC
Optical reflecting loss	dB	> 45
Frequency range	MHz	5 ~ 250
RF output level	dBmV	30~50
Flatness in band	dB	±0.75
RF input impedance	Ω	75
Output reflecting loss	dB	≥16
C/N	dB	≥51
C/CTB	dB	≥65
C/CSO	dB	≥60
RF test point	dB	-20 ±1
RF gain adjustment	dB	0 ~ 20
Supply voltage	V	AC 110V ~ 250V (60 Hz)
Consumption	W	45
Working Temperature	^{0}C	-10 ~ +45
Storage Temperature	^{0}C	-30 ~ +70
Relative Humidity	%	Max 95% no condensation
Dimension	mm	483 (W) × 380 (L) × 44 (H)

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MEASUREMENT

All specifications and measures are base in Recommended Practices for Measurement on Cable Television Systems 3th edition 2002 of NCTA (National Cable & Telecommunications Association). Measurement equipment: Network Analyzer Agilent E5061B, Cable TV Analyzer Agilent 8591C. Also use Agilent 86213A 75 ohm precision Attenuator set, HP85036B 75 ohm Calibration kit and Agilent 85024A High Frequency Probe.

SUPPORT

The NCM technical team and sales staff will be happy to assist with any doubt or inquiries regarding our equipment. Our valued customers can reach us by phone at 305-640-0461 or via fax at 305-639-2684. If you prefer to email, ncm@ncmsupplies.com. For more documentation and information on this or any of our products, refer to www.ncmsupplies.com.

Thank you!

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