NCM-MN-1000

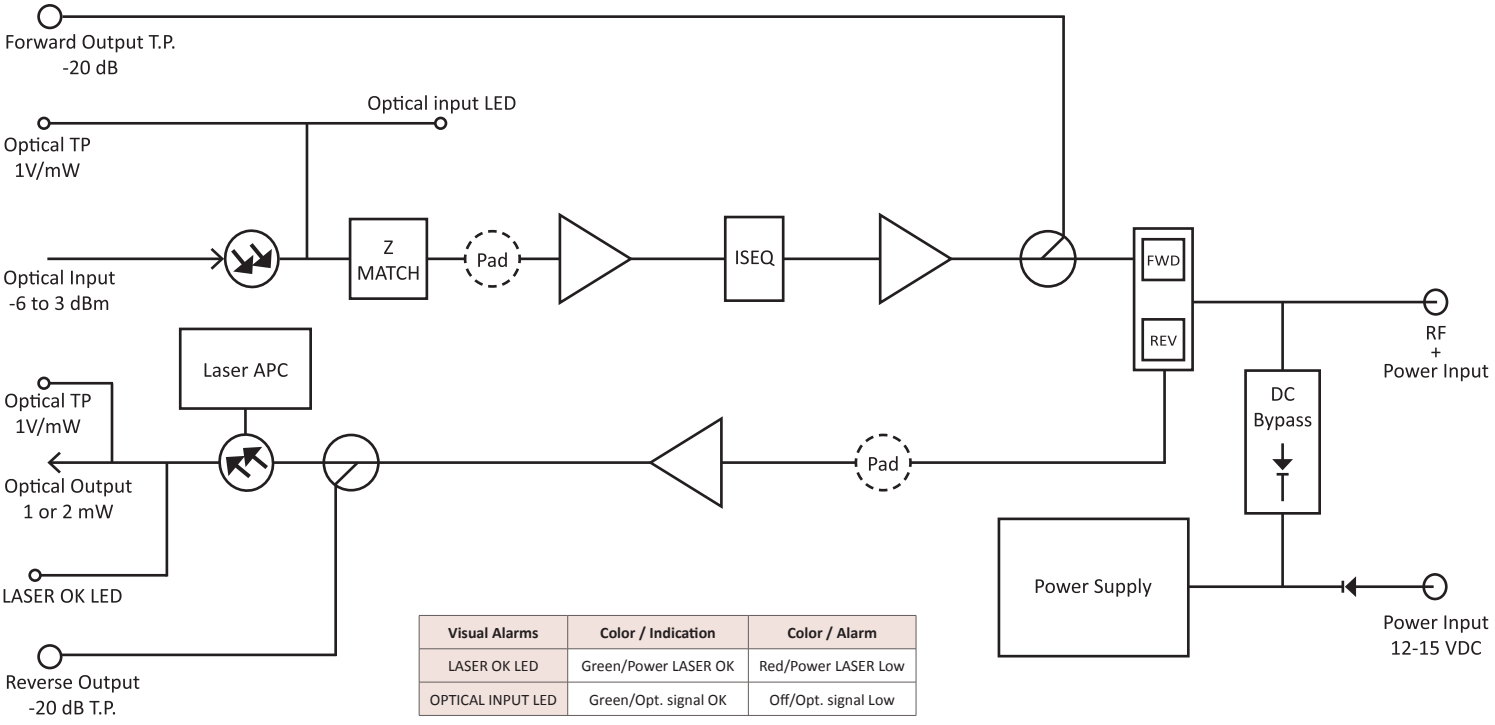
870 MHz Optical Mininode

The NCM Optics's Mininode (MN-1000) is an indoor device designed to be used in Fiber To The Home networks and commercial installations, delivering CATV signals over glass and providing monitoring interface, including electrical and visual signals for easy status determination.
High quality components are used and totally made in the USA passing through a rigorous quality control system, making the MN-1000 a secure solution for CATV services providers.



Made in USA

Block Diagram



Visual Alarms	Color / Indication	Color / Alarm
LASER OK LED	Green/Power LASER OK	Red/Power LASER Low
OPTICAL INPUT LED	Green/Opt. signal OK	Off/Opt. signal Low

Unless otherwise noted, the above specifications reflect typical device performance at stated reference levels in the recommended operating configuration(s). Specifications are subject to change without notice.

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

MODEL: MN-1000 Rev-1.1/2012 © 2000-2012
NCM Supplies - All Rights Reserved

NCM-MN-1000

870 MHz Optical Mininode

Specifications

General Specifications			
Parameter	Units	Up-Stream	Down-Stream
Impedance	Ω	75	
Laser type	-	Class 3B	-
RF test point	dB	-20 ± 2	
Optical monitor	V/mW	1 ± 0.2	
Power Supply	V	12 to 15	
Current consumption (v=+8V)	mA	340	
Storage temperature	°C	-40 to +80	
Operate temperature	°C	-25 to +65	
Dimension	mm	127 x 80 x 32	
Weight	g	340	

RF Specifications			
Parameter	Units	Up-Stream	Down-Stream
Frequency range	MHz	5-42	54-870
Flatness	dB	±0.75	±1.0
Return loss	dB	16	15
Input level	dBmV	25	-
Output level	dBmV	-	25[1]
CNR	dBc	48	46
CTB	dBc	46[2]	62[3]
CSO	dBc	60[2]	60[3]

1. Optical input -1dBm
2. CATV return path, 2 tones (13MHz, 19MHz), OMI=20%, 2mW
3. Input flat 10 dBmV, 77 channels/6MHz, +200MHz (550 -750MHz) digital signal at 6dB below video carrier

Optical Specifications			
Parameter	Units	Up-Stream	Down-Stream
Wavelength	nm	1310 ± 20	1200 to 1600
Optical power Output	mW	1 or 2	-
Optical power Input	dBm	-	-6 to +3
Optical type	-	PF or DFB	InGaAs PIN
Return loss	dB	35	45
Isolation	dB	30	-
Connector	-	SC/APC	SC/APC
Status led		Green Laser ok	Green Pin>-6dBm

Unless otherwise noted, the above specifications reflect typical device performance at stated reference levels in the recommended operating configuration(s). Specifications are subject to change without notice.

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

MODEL: MN-1000 Rev-1.1/2012 © 2000-2012
NCM Supplies - All Rights Reserved