



ON-860-2-x-x-R-x type is a two way optical node. Ideal platform for delivering video (digital or analog) as well as high-speed data services over advanced hybrid fiber/ coax (HFC) network. This optical node combines the superior proven technologies of both the RF amplifier and optical components. Available for two high level RF output ports; with its modular design of the fiber receiver. Reverse fiber transmitter and RF amplifier electronics, the ON-860-2-x-x-R-x Node can provide the full complement of functions required by advanced networks.

2 Port Optical Node: ON-860-2-x-x-R-x Features:

- Two high level output ports with GaAs power double amplifier module.
- Rugged weather resistant outdoor die cast case
- Switch able power supply
- Easy operation with an LED display to show the optical level

Model Number	Description	Box Weight	Dimension (LxWxH)
ON-860-2-R-D-x	2 Port Optical Node	2.2 kg (5 lb)	9.5x6.5x4.5in (12.13x16.51x11.43 cm)



Specifications subject to change without notice. v11.00

2 Port Optical Node: ON-860-2-x-x-R-x : Specification

Forward Optical Receiver Module		Units
Optical wavelength	1000~1600	nm
Input optical reflection loss	>45	dB
Photoelectric module response	0.85	A/W
Max optical input power	3	mW
Optical input test point	1±0.2	V/mW
RF Amplifier Characteristics		
Forward bandwidth (option)	45-750/(option: 45-860)	MHz
Frequency Response	0.75	dB
Output Reflection Loss	> 14	dB
Output Level	102	dBuV
Distortion: CTB	<-68	dBc
Distortion: CSO	<-65	dBc
Test Level	59 Analog Channels +200 MHz Digital	
	-20	dB
Return Optical Transmission (option)		
Bandwidth	5-200	MHz
Duplex Filter (option)	42/54 (option: 65/85)	MHz
Optical Output Power Level	1	mW
Wave Length (FP Laser)	1310	nm
Optical Connector	SC/APC	
Electrical Characteristics		
Voltage	30-70	VAC

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Ordering Information

ON-860-2-x-x-R-x

