

4 Port Optical Node: ON-860-4-x-x-R-D-x Features:

- Four high level output ports with GaAs power double amplifier module.
- 15 ampere current capacity (steady state) and 25 ampere surge survivability
- Surge resistant circuitry ensures gain stage protection without fuses or from failure causing devices.
- 40-90V AC high –efficiency switch mode power supply.
- Standard fiber management tray provides fiber and connector storage for up to 6 connector pairs.
- Select 1, 2, or 4 reverse path optical transmitters
- Local test points and LED indicators on optical receivers, and transmitters simplify installation and maintenance.
- Optical status monitoring and control.
- The ON-860-4-x-x-R-D-x launch amplifier uses fixed-value plug-in accessories.
- Forward output test point and reverse input test point for each port on the launch amplifier ensures optimum design and alignment.

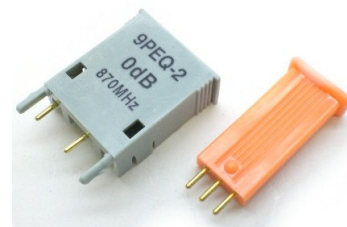
Model Number	Description	Box Weight	Dimension (LxWxH)
ON-860-4-x-x-R-D-x	4 Port Optical Node	2.2 kgs (5lbs)	9.5x6.5x4.5in (12.13x16.51x11.43 cm)

Specifications subject to change without notice. v10.00

Accessories:

ON-860-ATT-xx (plug in attenuator): 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22

ON-860-EQ –xx (plug in equalizer): 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22



4 Port Optical Node: ON-860-4-x-x-R-D-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)	54-860 or(85-860)	MHz
Frequency Response	0.5	dB
Noise Figure	< 9.5	dB
Output Reflection Loss	> 16	dB
Output Level	107	dBuV
Distortion: CTB	<-72	dBc
Distortion: CSO	<-68	dBc
Test Level	77 Analog Channels +200 MHz Digital	
	-20	dB
Return Optical Transmission (option)		
Bandwidth (option)	5-42 or (5-65)	MHz
Duplex Filter (option)	42/54 or (65/85)	MHz
Optical Output Power Level	FP: 1	DFB: 2
Wave Length	FP: 1310	DFB: 1310
Optical Connector	SC/APC	
Optical output test point	1	V/mW
Electrical Characteristics		
Voltage	40-90	VAC
Frequency	47-63	Hz
Power consumption	70 watts typical, 94 watts maximum	

FP Advantage: Economical and ideal for less stringent performance systems

DFB Advantage: Designed for high capacity reverse traffic and analog video carrier transmission

Ordering Information

ON-860-4

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D: Duplex Filter: 42/54 (U), 65/85(E)

F: FP, 1,mW or **D:** DFB, 2mW

1, 2, or 4 (R-optical return transmitter)

