

Model OPAT-14 Power Agile Transmitter

Features / Benefits

APPLICATIONS

- Replace Any Fiber Optic Transmitter to Supply Power Range of +3dBm to +14dBm (2-25mW)
- Can Be Adjusted To Accommodate Future Node Splits

FEATURES

- Front Power Optical Meter Displays in dBm or mW
- 51dB Carrier to Noise Ratio (CNR)
- Input Frequency Range 50-1m000MHz
- Compact Unit size with Rackmount Option
- Economy Model for Lower Power Requirements

Overview



The New Olson Technology Inc. OPAT-14 is a continuously adjustable fiber optic transmitter that can be used for any power requirement from +3dBm to +14dBm [2mW to 25mW]. This unique unit can be used as a replacement for any transmitter that falls in this power range. Convenient front panel metering is provided in both dBm and mW. With the application of this unit there is no reason to be concerned about future node splits as the output can be increased or decreased without taking the unit out of service.

A lower power "economy" version, the OPAT-10, is also available for applications that require +3dBm to +10dBm power (2-10mW).



Transmitter Characteristics

	Min	Typ	Max	Units
Input Frequency Range	50		1,000	MHz
Input RF Power	-2		+18	dBmV
Optical Output Power*	+4		+13	dBm
CSO			61	dB
CTB			62	dB
Carrier to Noise			51	dB
Front Panel Meter Accuracy		±10		mW
(Scaled)		±0.5		dB

Electrical Requirements

	Min	Typ	Max	Units
DC Power Requirements	+12V	2.1mm x 5.5mm adaptor.		
		Wall supply included. 7W max.		

Physical Characteristics

	L	W	H	Units
Dimensions	7.5	5.5	1.6	in.
	191	140	41	mm

* Continuously Adjustable



The unit can be conveniently rack mounted in the standard Olson x 3 rackmount panel above.

Ordering Information

Model OPAT-14	Tx, Adjustable Optical Output +3dBm to +14dBm (2mW to 25mW)
Model OPAT-10	Tx, Adjustable Optical Output +2dBm to +10dBm (2mW to 10mW)