

LB100RX SERIES FOUR INPUT RETURN PATH RECEIVER

DESCRIPTION

Lindsay Broadband's LB100Rx series of optical return path receivers are 19" 1RU rackmount receivers with four independent return path optical receivers. Each individual return receiver has high performance photodiodes and hybrid amplification sections with individual controlled attenuation adjustments. The LED front panel display is used to monitor all functional parameters.

FEATURES

- 19 inch 1U standard rack mounted chassis
- High-gain output, electronically controlled attenuation adjustment
- 1200 to 1620nm input wavelength
- 5 – 100MHz RF Output
- 30 – 60dBmV output (adjustable)
- 100 – 260VAC (50 to 60Hz) powering
- Microprocessor monitoring automatically ensures excellent performance
- LCD display shows functioning parameters
- RS232 standard interface for system network management.

BLOCK DIAGRAM



SPECIFICATIONS

PARAMETER	SPECIFICATION	UNIT
Optical Wavelength	1200-1620	nm
Input Optical Power	-27 to -13 (LB100RA)	dBm
	-21 to -3 (LB100RB)	
Optical Return Loss	≥50	dB
Optical Connector	SC/APC or FC/APC	
Optical Fiber Type	Single Mode	
RF Input Bandwidth	5-100	MHz
RF Output Level	30-60	dBmV
RF Gain Adj.	30	dB
Flatness	±0.75	dB
Return Loss	≥16	dB
NPR	36	dB
Voltage	100-260VAC (50 to 60Hz)	VAC
Power Consumption	≤12	W
Operating Temp.	0 - +65	°C
Dimension	480 x 320 x 44 (WxDxH)	mm
Weight	≤6	kg

*All specifications are subject to change without prior notice.
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ORDERING INFORMATION

	Optical Connector	Power Socket/Type	Network Management
LB100RA (-27 to -13dBm Opt. Input)	XX	X	X
LB100RB (-21 to -3 dBm Opt. Input)	SA= SC/APC FA= FC/APC	A North America	N None
		B Europe	1 SNMP
		8 Asia	2 Web

FOR MORE INFORMATION ON OUR WIRELESS, OPTICAL AND RF PRODUCTS

CALL 1-800-465-7046 OR
U.S. Sales Toll free: 877-672-4340

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