



ELink Module EL-FRX Forward Receiver

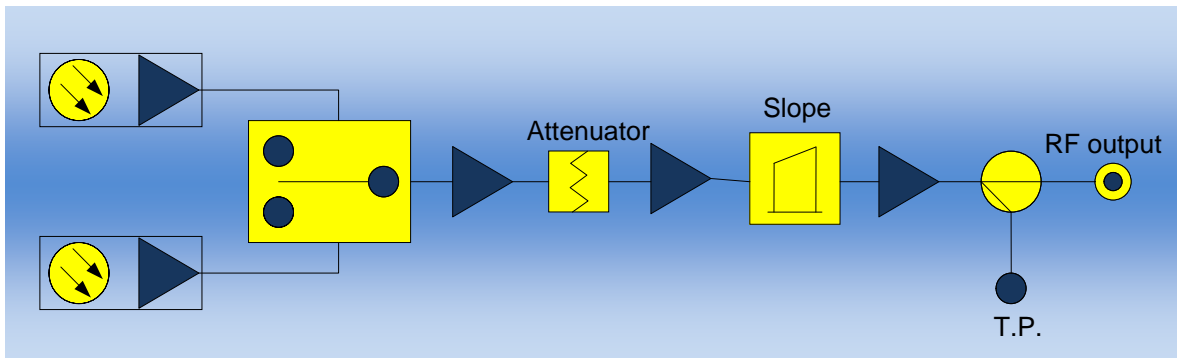
Description

The EL-FRX is an applications module and is an optional component of the ELink series Optical Platform. It is a forward path receiver that accepts two optical inputs for redundancy. Its optical bandwidth is between 1200 and 1600nm with a power input range from -3 to $+3$ dBm. The RF output has a pass-band from 54 to 1003MHz and can be attenuated between -20 and 0 dB using the front panel controls.



Features

- Hot swap plug-in module
- 1200 to 1600nm wavelength
- -3 to $+3$ dBm optical input range
- 54 to 1003MHz RF bandwidth
- 35dBmV RF output power
- Adjustable RF attenuator using front panel from -20 to 0 dB
- Two optical inputs for redundancy



Specifications

Parameter	Unit	Specification	Note
Optical Performance			
Wavelength	nm	1200-1600	--
Input ports		2	--
Input power	dBm	-3 to +3	--
Connector		See ordering table	--
RF Performance			
Bandwidth	MHz	54-1003	--
Return loss	-dB	≥18	--
Flatness	dB	+/-0.75	--
Impedance	ohm	75	--
Output level	dBmV	≥35	1
Test point	dB	-20+/-0.75	--
CNR	dB	≥51	1
CSO	-dBc	≥63	2
CTB	-dBc	≥67	2
MGC	dB	0 to -20	--
Connector		F-female	--
Electrical/Physical Performance			
Supply voltage	VDC	24	--
Power consumption	W	<10	--
Dimensions	mm	410D x 24W x 128H	--
Weight	Kg	1.2	--
Operating temperature	°C	0 to 50	
Humidity	%	85, non-condensing	
Storage temperature	°C	-40 to 70	

Notes: Specifications are subject to change without notice.

- 1) Measured in 4 MHz bandwidth
- 2) 77ch analog, 73 ch 256QAM at-6dB

Ordering Information:

EL-	FRX-	2	1	SA
Model Series	Type	Input ports	Output ports	Opt Conn
EL-	FRX-	2	1	SA=SC/APC
				FA=FC/APC

Corporate Headquarters
Electroline Equipment Inc.
 395 Lebeau Blvd.,
 Saint-Laurent Quebec H4N 1S2
 Canada

Telephone
 North America (800) 461-3344
 Elsewhere (514) 374-6335

Fax
Corporate / Ordering
 (514) 374-2257

General Inquiries
info@electroline.com
Technical Support
support@electroline.com