



## EB60LC2R-MN

3Gbps SDI emSFP™ Optical Dual Receiver  
Medium Haul, Non-MSA

### Features

- SMPTE 297-2006 compliant
- Supports video pathological patterns for SD-SDI, HD-SDI and 3G-SDI and DVB-ASI
- LC connector type
- Optical PIN receiver sensitivity of -22dBm\*
- Control via serial interface including:
  - Received power, voltage & temperature monitoring
  - Module Information
- Hot pluggable and Hot removable with fibers plug-in
- Operating temperature range of 0C to 70C
- Power Consumption - typical 690 mW
- Single Supply +3.3V  
58.5mm x 13.4mm x 8.6mm SFP package

\*Contact factory for an higher sensitivity

### Summary of Benefits

- **Flexibility:** Build a totally optimized system by mixing electrical SDI, NTSC/PAL converter, HDMI/DVI and optical emSFP™;
- **Cost:** Design cost effective system by integrating reclockers when needed;
- **Modularity:** Allow hot scalability and replacement of critical components wherever possible;
- **Density:** emSFP™ provides the highest density solution of SDI interface;
- **Time-to-market:** Reduce development cost and risk;
- **Interchangeable:** Fully compatible with existing non-MSA video coaxial emSFP™ and emSFP™ converters;
- **Hot-Pluggable:** Swap without affecting system behaviour;
- **Advanced Packaging:** Support ganged cages, belly-to-belly and superposed cages mounting;
- **Inventory:** Just in time inventory management;
- **Green:** The EB60LC2R-MN is Pb-free and ROHS compliant. In addition, it has very low power consumption.

### Applications

- Distribution amplifiers
- Processing cards
- Video routers
- Broadcast cameras

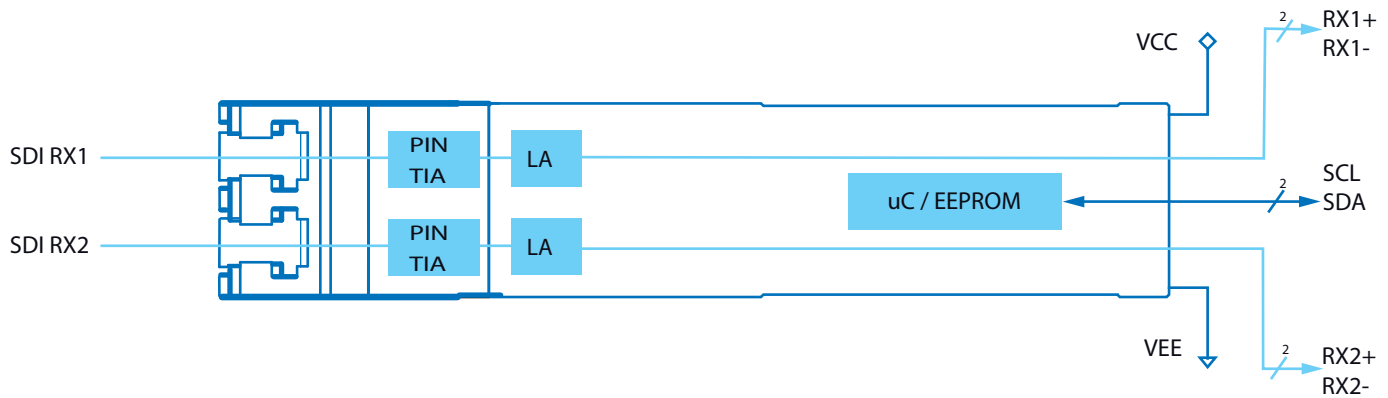
## Overview

The EB60LC2R-MN is an optical emSFP™ dual receiver module designed to receive two SDI signals up to 2.97Gbps over single mode fiber (9um/125um). The module is carefully designed to accept pathological test patterns.

The EB60LC2R-MN contains two PIN photodiode receiver with -22dBm of sensitivity with pathological signal.

The EB60LC2R-MN provides module identification information and configuration through a Two-wire serial interface. It is also a hot-pluggable solution for field system upgrade and maintenance.

The EB60LC2R-MN is interchangeable with other non-MSA optical video SFP improving product flexibility. The SFP form factor provides quick time-to-market and reduced development effort and cost. The EB60LC2R-MN is Pb-free and ROHS compliant.



## Related Products`

Part number	Type	Pinout	Reach	(nm)	LD	PD	Pout (min)	Sensitivity (max)	Link Budget	Temperature range
EB60LCRT-MN-13F	Rx/Tx	Non-MSA	Medium	1310	FP	PIN	-2dBm	-22dBm	20dB	0-70C
EB60LCRT-MM-13F	Rx/Tx	MSA	Medium	1310	FP	PIN	-2dBm	-22dBm	20dB	0-70C
EB60LC2T-MN-13F13F	2TX	Non-MSA	Medium	1310	FP	--	-2dBm	--	--	0-70C

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