High Performance Electrical/Optical Subsystem SX4 Mini SX51-02 Data SX51-01 Subsystem Subsystem Subsystem

OVERVIEW of Technologies and Characteristics:

- Uncompressed full DVI/HDMI™, on only one Multi-Mode Fiber (50/62.5 µm)
- High speed channel (4x unidirectional) with 1.65Gb/s or 3.4Gb/s each
- Optional "Low" speed channel (1x bidirectional) with 5Mb/s (SX51-01)
- Data module offers High-speed bidirectional (155, 622, 1,250 Mb/s) (SX51-02)
- Ready for data: DVI, HDMI[™], CML, PECL, LVDS
- Easy and flexible to design-in (short period)
- Optical budget up to 1,800m on one MMF
- Includes driver for laser and TIA and limiting amplifier

- Temperature range 0° to 65°C
- High reliability: Estimated MTTF > 10 years
- Evaluation-Boards with specification sheet and application information available
- Based on CWDM-Technology
- High data protection based on high integration technology
- Highest integration on the smallest footprint
- Patented, stable and sophisticated technology based on long term experience
- Power consumption as low as 0.6 W
- ROHS Compliant



Electrical / Optical Subsystems



Extensive Range of Applications

Broadcasting Extender, Matrix, KVM,

Displays, etc.

Medical X-Ray, MRT, MRI, Endoscope, etc.

Industrial Machine, Production, Office,

Airports, Harbors, etc.

Transportation Airplane, Subway, Trains, etc.

Infotainment / Hotel, Shopping Malls,

Digital Signage Infoboards, etc

Cable Networks Access Units, Last Mile, etc.

Data Center High-speed Data Networks

Research Center High-radiation / High-EMF

> environments, Secure Systems, Reliable Networks, Secure KVM

Smart Home Home Theater, Central control, etc.

Security HD-SDI Camera, Matrix, Con-

verter, etc

Made in the United States of America

By OMRON Network Products LLC

Headquartered in Pleasanton, California

- Research, Development and Production
- Sales & Support in US, Europe (Germany) and Asia

Our Commitment

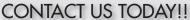
We will provide detailed information & support, fast quotations with fair pricing, high reliability products, world class collaboration and partnership, local onsite support, and customized products for your applications.

Specifications and appearance are subject to change without notice for purposes of improvement. OMRON® is a registered trademark of Omron Corporation.

Complete "Terms and Conditions of Sale" for product purchase and use are on Omron's website at http://www.components.omron.com - under the "About Us" tab, in the Legal Matters section.

SB ONP-01A

©2012 Omron Electronic Components LLC, Printed in U.S.A. 10/2012





55 Commerce Drive, Schaumburg, IL 60173 U.S.A. Phone: 847-882-2288

www.components.omron.com

