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High Performance Electrical/Optical Subsystem

SX4 Mini Subsystem

SX51-01 Subsystem

SX51-02 Data 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 >10years
- 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

OMRON
ELECTRONIC COMPONENTS

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 / Digital Signage	Hotel, Shopping Malls, 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, Converter, etc

Made in the United States of America

By OMRON Network Products LLC

Headquartered in Pleasanton, California

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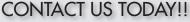- Sales & Support in US, Europe (Germany) and Asia

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