



Datasheet

CWDM Multi-rate SFP Interfaces



Features

- Supports any protocol from 100 Mbps to 2.7 Gbps
- ITU G.694.2 CWDM wavelengths
- Digital Diagnostic SFF-8472 compliant
- SFP MSA SFF-8074i compliant
- GR 253/STM G.957 compliant
- Bellcore GR-468 compliant
- Low jitter of < 200 ps
- Bit Error Rate (BER) of < 10⁻¹⁰
- Hot pluggable
- Low EMI metal enclosure

Overview

MRV Communications' Small Form-Factor Pluggable (SFP) transceivers provide the high speeds and physical compactness that today's networks require while delivering the deployment flexibility and inventory control that network administrators demand. Extending these benefits even further, our multi-rate SFP interfaces support any protocol from 100 Mbps to 2.7 Gbps.

Designed to Multi-Source Agreement (MSA) standards to ensure broad network equipment compatibility, these SFPs are a perfect match for MRV Communications' new line of Fiber Driver® pluggable media modules and chassis, and the OptiSwitch® line of routers and switches. Together, they can be used to create the ultimate in managed fiber optic networks.

For more information contact your nearest authorized MRV Communications dealer and visit our website at www.mrv.com.

Ordering Info	Part Number	Function	Protocol	Wavelength (nm)	Output Power (dBm)		Receiver Sensitivity (dBm)	Link Budget (dB)	Saturation Power (dBm)	Supply Voltage (V)	Temp. Range (°C)	Digital Diagnostics	Distance Range (km)
					Min.	Max.							
	SFP-27DCWEIR-xx*	CWDM SFP Singlemode	Multi-Rate (100 -2700 Mbps)	1310-1610	0	5	-20	20	0	3.3	0 - 70	Yes	20 - 60
	SFP-27DCWLR-xx*	CWDM SFP Singlemode	Multi-Rate (100 -2700 Mbps)	1310-1610	-2	3	-28	25	-6	3.3	0 - 70	Yes	40 - 100

* "xx" refers to specified wavelength. Use Wavelength Guide below when ordering.

Wavelength Guide (nm)							
xx	Wavelength (nm)	xx	Wavelength (nm)	xx	Wavelength (nm)	xx	Wavelength (nm)
31	1310	39	1390	47	1470	55	1550
33	1330	41	1410	49	1490	57	1570
35	1350	43	1430	51	1510	59	1590
37	1370	45	1450	53	1530	61	1610

NOTE: Employing 16 CWDM channels requires the use of low water peak Single Mode fiber. If low water peak fiber is not available for your application, inquire about our 16-channel, 8-wavelength Single Fiber CWDM solutions.

MRV has more than 50 offices throughout the world. Addresses, phone numbers, and fax numbers are listed at www.mrv.com. Please e-mail us at sales@mrv.com or call us for assistance.

MRV (West Coast USA)
20415 Nordhoff St.
Chatsworth, CA 91311
800-338-5316
818-773-0900

MRV (East Coast USA)
295 Foster St.
Littleton, MA 01460
800-338-5316
978-952-4700

MRV (International)
Business Park Moerfelden
Waldeckerstrasse 13
64546 Moerfelden-Walldorf
Germany
Tel. (49) 6105/2070
Fax. (49) 6105/207-100

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