

Sorrento GigaEdge 610™ SFW Filter Specifications

FEATURES AND BENEFITS

- Cost-effective CWDM technology
- Low Optical Insertion Loss
- Mux/Demux 2 Wavelengths into a west or east bi-directional CWDM channel on a single fiber strand
- Duplex SC connectors for simple GBIC client interfacing
- Simplex SC connectors for CWDM line-sides
- Standard Color Coded for ease of installation and troubleshooting (Brown= 1611nm; Grey= 1471nm)
- Scales easily from small to large linear & ring networks using 611 passive and 820 active drops
- Reliable passive WDM optical technology
- Low-profile modular design — fits in 1RU 19" rack mount chassis
- Wide operating Temperature range option (-40°C to +85°C)
- Deployable anywhere – CO, OSP Cabinet, Underground Vault, Basement or Computer Room

The GigaEdge 610 series of Single Fibre Working (SFW) filter modules are specifically designed to inter-operate in a GigaEdge 820 ring network, enabling low cost single λ drops.



GIGAEDGE 611 1-CHANNEL OADM

Parameters	Description	Min	Max	Unit
Filter Passband	IN to Drop channels; or Add channels to OUT	±6.5		nm
Insertion Loss:	IN to Drop channels; or Add channels to OUT		1.5	dB
(Within Passband)	Express CWDM channels		2.5	dB
	Express 1310nm channel		2.7	dB
Channel Isolation:				
Add/Drop		30		dB
Express	Residual of the dropped channels	30		dB
Return Loss		45		dB
Directivity			-50	dB
PDL			0.2	dB
PMD			0.2	ps
Input Optical Power			500	mW

GIGAEDGE 614 4-CHANNEL MUX/DEMUX

Parameters	Description	Min	Max	Unit
Filter Passband	Common to Drop Ch's or Add to Common Ch's	±6.5		nm
Insertion Loss:			1.5	dB
(Within Passband)	Common to Drop Ch's or Add to Common Ch's		3.0	dB
Non-Uniformity	Among Drop Ch's or among Add Ch's		1.0	dB
Channel Isolation:				
Add/Drop		30		dB
Express	Residual of the dropped channels	15		dB
Return Loss		45		dB
Directivity			-50	dB
PDL			0.2	dB
PMD			0.2	ps
Input Optical Power			500	mW

These specifications include a total of 0.5dB connector losses



Sorrento Networks
9137 East Mineral Circle
Suite 340
Centennial, CO 80112

Sorrento Networks is a global provider of metro optical access solutions, offering an edge-to-regional CWDM, DWDM and ROADM product portfolio to carriers and enterprises. Sorrento Networks' GigaMux and GigaEdge optical transport products efficiently add bandwidth to clients' networks, and transport mission-critical services and applications across the network infrastructure. The company is headquartered in Denver, Colo., with offices in Oakland, Calif. and Stuttgart, Germany. For more information, visit www.sorrentonet.com. Sorrento, the Sorrento Networks logos and all other Sorrento Networks product or service names are trademarks or registered trademarks of Sorrento Networks, Inc. All other trademarks are property of their respective owners. Copyright 2008 Sorrento Networks. All rights reserved.