

Sorrento GigaEdge 620™

FEATURES AND BENEFITS

- Cost-effective CWDM technology
- Low optical Insertion Loss
- Optical Add/Drop and Terminal Multiplexer options
- Duplex SC connectors for simple and reliable GBIC client interfacing
- Standard color coded for ease of installation and troubleshooting (Brown= 1611nm; Gray= 1471nm)
- Reliable passive WDM optical technology
- Channels support 100M - 2.5G CWDM or 2.5G – 10G DWDM
- May be integrated in networks with GigaEdge 655 H-Mux to support 5*CWDM + 32*DWDM channels
- Low-profile modular design — fits in 1RU 19" rack mount chassis
- Wide operating temperature range option (-40°C to +85°C) for OSP
- Deployable anywhere — CO, OSP cabinet, underground vault, basement or computer room

The Sorrento GigaEdge 620 series of Dual Fibre Working (DFW) filter modules enable GigaEdge 230 2.5G CWDM networks today and can be upgraded to support 2.5G and 10G DWDM.

Parameters	Description	Min	Typ	Max	Unit
GIGAEDGE 621 1-CHANNEL OADM					
Insertion Loss:	Add - Trib to Line (W or E)	0.90	1.50		dB
	(Within Passband) Drop - Line (W or E) to Trib	0.90	1.50		dB
	Pass - Line W to Line E	0.95	1.50		dB
Channel Isolation:	Add	50			dB
	Drop	50			dB
	Pass	28			dB
GIGAEDGE 624 4-CHANNEL OADM					
Insertion Loss:	Add - Trib to Line (W or E)	1.95	2.50		dB
	(Within Passband) Drop - Line (W or E) to Trib	1.95	2.50		dB
	Pass - Line W to Line E	1.85	2.50		dB
Channel Isolation:	Add	30			dB
	Drop	50			dB
GIGAEDGE 628 8-Channel Mux/Demux					
Insertion Loss:	Mux—Trib to Line	2.50	3.0		dB
	(Within Passband) Demux—Line to Trib	2.50	3.0		dB
Channel Isolation:	Mux	30			dB
	Demux	50			dB

FRONT PANELS



Parameters	Description	Min	Typ	Max	Unit
GIGAEDGE 62X COMMON PARAMETERS					
Filter Passband		±6.5			nm
Return Loss		50			dB
Directivity				-55	dB
Passband Ripple				0.5	dB
PDL				0.15	dB
PMD				0.2	ps
Temp. Range:	Normal Operating Variants	0		70	°C
	Extended Operating Variants	-40		85	°C
	Storage	-40		85	°C
Relative Humidity	Non Condensing	10		85	%

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.