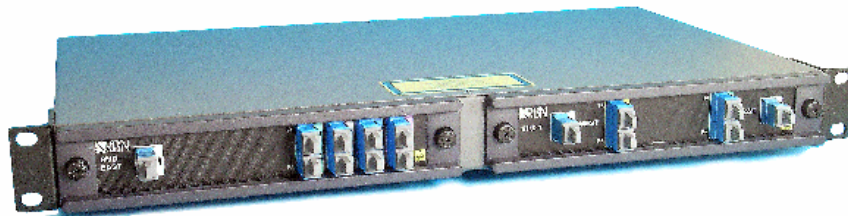


RBNi GigaEdge 6100™ SFW Filter Specifications

The RBNi GigaEdge 6100 series of Single Fibre Working (SFW) filter modules are specifically designed to inter-operate in a GigaEdge 8200 ring network, enabling low cost single λ drops.



KEY FEATURES

- ◆ 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 6110 passive and 8200 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

| GigaEdge 6110 1-Channel OADM | | Min | Max | Unit |
|--|---|----------------|------------|-------------|
| Parameters | Description | | | |
| Filter Passband | IN to Drop channels; or Add channels to OUT | ±6.5 | | nm |
| Insertion Loss: (Within Passband) | IN to Drop channels; or Add channels to OUT | | 1.5 | dB |
| | Express CWDM channels | | 2.5 | dB |
| | Express 1310nm channel | | 2.7 | dB |
| Channel Isolation: Add/Drop | Residual of the dropped channels | 30 | | dB |
| | | Express | 30 | dB |
| Return Loss | | 45 | | dB |
| Directivity | | | -50 | dB |
| PDL | | | 0.2 | dB |
| PMD | | | 0.2 | ps |
| Input Optical Power | | | 500 | mW |
| GigaEdge 6140 4-Channel Mux/Demux | | Min | Max | Unit |
| Parameters | Description | | | |
| Filter Passband | Common to Drop Ch's or Add to Common Ch's | ±6.5 | | nm |
| Insertion Loss: Within Passband | Common to Drop Ch's or Add to Common Ch's | | 3.0 | dB |
| | | Non-Uniformity | 1.0 | dB |
| Channel Isolation: Add/Drop | Residual of the dropped channels | 30 | | dB |
| | | Express | 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