

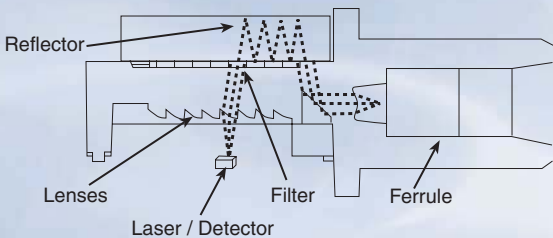
# Singlemode ROSA: P1RX-LX4

## Coming soon TOSA: P1TX-LX4

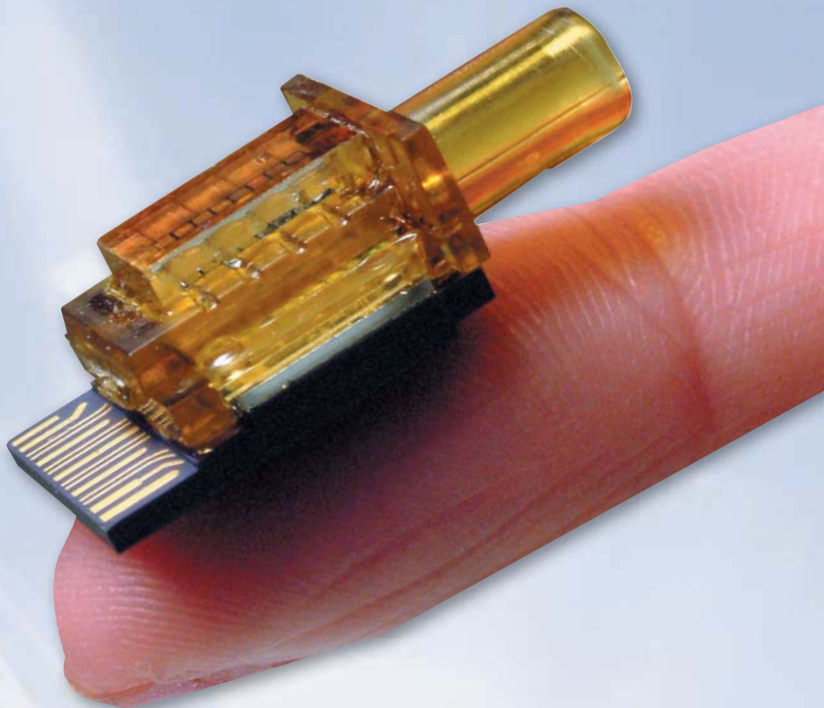
The Afterburner LX4 is a protocol independent, CWDM-based optical subassembly (OSA), capable of receiving (Rx) (and soon Transmitting) 4 optical channels from one.

### Features

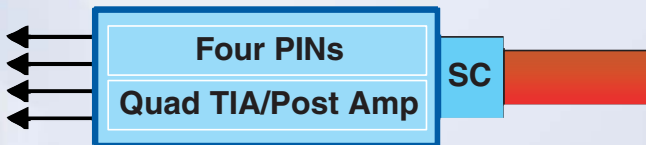
- Fully integrated ROSA
- XENPAK & X2 compliant
- Scalable to XFP
- Hermetically sealed
- Integrated ferrule
- Optional RSSI & signal detect
- Optional space-saving integrated limiting Amp
- 4 channels on one fiber
- Data rate of 155Mbps up to 3.2Gbps
- Transmission distance of over 300m of 62.5μ or 50 fiber at 3.125Gbps
- Pluggable design to enable more configuration options
- SC Optical Interface
- Can either aggregate data at a maximum rate of 12.5Gbps or operate as independent data channels
- Output signals are limited and 100Ω differential



### 4 Channel CWDM Receive Optical Subassembly



### Functional Blocks



### Absolute Maximum Ratings

| Parameter           | Symbol | Min  | Typ | Max | Units | Notes |
|---------------------|--------|------|-----|-----|-------|-------|
| Storage Temperature | Tst    | -40  |     | 85  | °C    | 1     |
| 3.3 Volt Supply     | Vcc    | -0.3 |     | 4   | V     | 1     |
| Relative Humidity   | RH     | 8    |     | 80  | %     | 3     |

#### Notes:

1. Stresses listed may be applied without causing damage. Functionality at or above the values listed is not implied. Exposure to these values for extended periods may affect reliability.
2. See outline drawing for measurement point (page 9).

