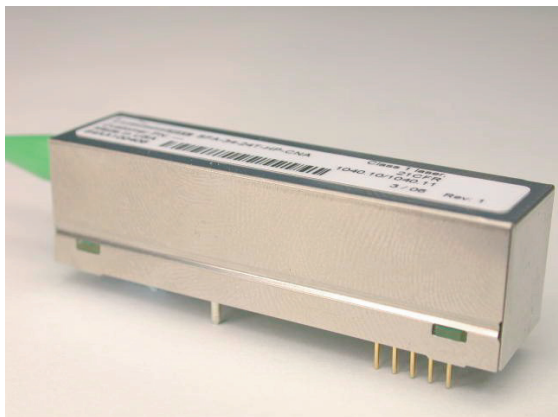


SFA-34-24T-HP-XXX



Standard Features (Residential Application, ITR Family)

- Single Fiber, Integrated Triplexer Transceiver
- Voice/Data FTTx ONT/ONU Applications
- 1244 Mb/s Tx, 2488 Mb/s Rx Asymmetric Data Rate
- 1310 nm Tx, 1490 nm Rx
- Compliant to FSAN G.984.5 Specifications
- Commercial temperature operating range (0 to 70°C)
- 2x5 small form factor (SFF) pinout
- Burst Mode Transmission
- 28 dB link budget; 20 km reach
- Compliant to IEC-60825 Class 1 laser diode
- SC/APC fiber connector
- RoHS compliant (lead-free PCB)

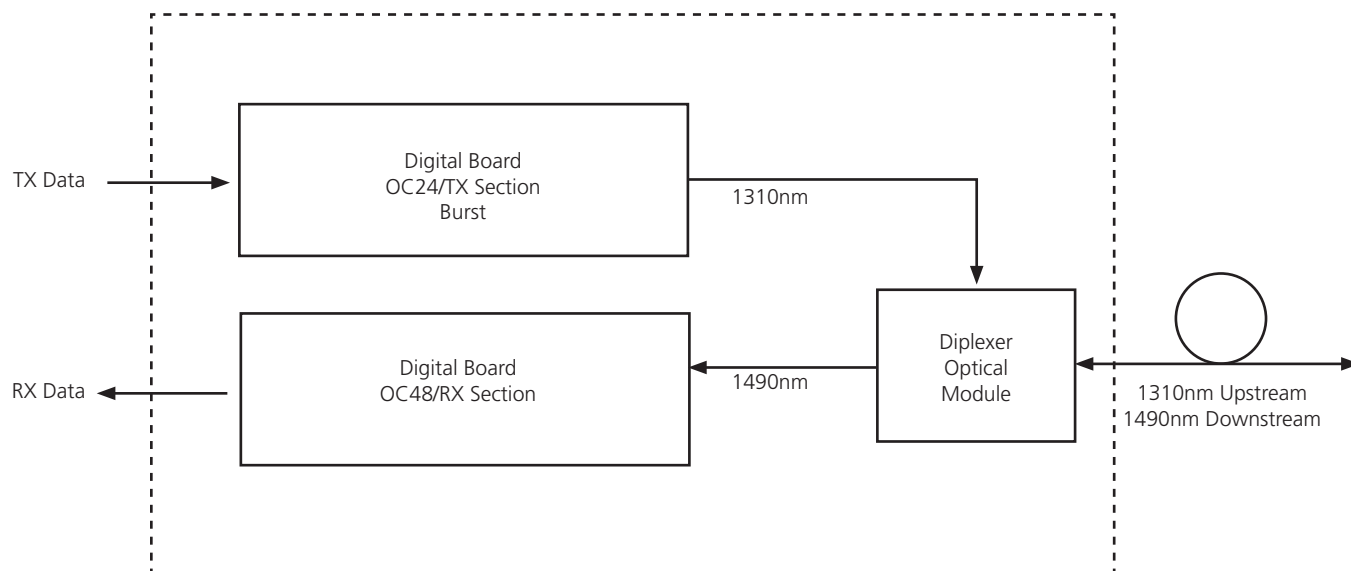
Optional Features

- 2x10 SFF pinout for digital diagnostics
- Industrial temperature operating range (-40 to 85°C)
- Internal RSSI calibration
- SC/UPC fiber connector
- Class C
- RoHS 6 compliant (lead-free)

Integrated Triplexer Components

- **Digital Transmitter:** An DFB laser diode for upstream transmission at 1244 Mbps. Includes a back facet photodetector to monitor laser power for APC control.

- **Digital Receiver:** An APD with TIA for downstream data reception at 2488 Mbps with post amplification for CML output compatibility.



Integrated Diplexer Transceiver Block Diagram