



Small Form Factor Transceivers (SFF)

The solderable small form factor transceivers are designed according to the Multi Source Agreement (MSA) in 2x5 pin package. For EPON, GEAPON and GPON applications there are various pig-tailed versions with 2x10 pinning and also industrial temperature range. There are also versions for bi-directional use in one fiber, using 1310 and 1550nm with an integrated filter.

Features:

- industrial operating temperature on request
- bidi versions available
- CWDM with 18ch
- LVTTTL / LVPECL

Applications:

- OC-3 to OC-48
- GigE
- 1x, 2x FC
- PON (ONU and OLT)

GPON ONU/OLT Transceivers

Source Photonics GPON transceivers are designed for GPON optical access networks; they can provide point-to-multipoint connection between premise customer and the central office. The transceivers operate in burst mode, and support asymmetric 1.244Gbps upstream and 2.488Gbps downstream with Class B+ODN. The transceivers are packaged in SFF, SFP or Compact form.

Features:

- 1310/1490/1550nm single fiber
- 1.244up- and 2.488Gb downstream
- high isolation
- SFF or SFP

Applications:

- GPON point to multi-point

1x9 Transceivers (bidi and duplex)

The range of transceivers with industry standard 1x9 footprint covers datarates from OC-3 (155Mb) up to OC-48 (2.5Gb). Those are designed to cover distances up to 80Km, the available wavelengths are 1310nm as well as 1550nm and CWDM with 18 wavelengths. There are also versions for bi-directional use in one fiber, using 1310 and 1550nm with an integrated filter.

Features:

- industrial operating temperature on request
- PECL or TTL
- 18ch CWDM available
- FC, SC or ST connectors

Applications:

- OC-3 to OC 48
- GigE
- 1x, 2x FC