

DIAMOND *flexos*

Fiber Optic Active Components

F-3000® SFP modules

NETWORK ACCESSORIES

The DIAMOND flexos SFP modules (transceivers) are compatible with the 155 Mbps and the 1.25 Gbps Ethernet specification IEEE802.3, and can be used in various active devices such as switches, converters, routers, etc., with an SFP slot.

These pluggable transceivers have the advantage that they're only necessary if the corresponding ports are required. It is also possible to select the transmission rate for multi-mode or single-mode immediately before installation.

In addition to standard SFPs, we also have special versions for bidirectional (BiDi) optical data transmission using individual single-mode optical fibres. This is made possible by using different wavelengths for both transmission directions and with the implementation of a wavelength-sensitive filter on the receiving end. The transceivers are always used in a paired configuration.

FEATURES

- ▶ Compatible with F-3000® connector types with automatic protective cap
- ▶ Compatible with LC connector
- ▶ Plug and play
- ▶ Hot swappable
- ▶ Single mode, multi-mode or BiDi with corresponding identification
- ▶ Digital diagnostics functions
- ▶ RoHS-compliant and lead-free

TECHNICAL SPECIFICATIONS

Type:	SFP (Small Form factor Pluggable) transceiver for Fast Ethernet or Gigabit Ethernet applications
Connection:	Optical: F-3000® or LC
Transmission rate:	155 Mbps or 1.25 Gbps
Fibre type:	Multi-mode optical fibre 50 or 62.5/125 µm Single-mode optical fibre 9 / 125 µm
Wavelength:	100FX MM/SM 1310nm, 1000LX SM 1310nm / 1000SX MM 850nm 1.25G 1310nm and 1550nm
Max. distance:	155 Mbps MM 2km / SM 15km 1.25 Gbps MM 550m / SM 10km BiDi SFP 1550nm TX, 1310nm RX 2km BiDi SFP 1310nm TX, 1550nm RX 10km
Operating temperature:	0°C to 70°C
Storage temperature	-40°C to 85°C



ORDERING INFORMATION

SHORT DESIGNATION	DESCRIPTION	ORDER NUMBER
F-3000® SFP 100BaseFX MM	F-3000® SFP modules 155 Mbps 100BaseFX MM 1310nm to 2km Transmission power -19 to -14 dBm Reception power -3 to -32 dBm	EQT 1052511
F-3000® SFP 100BaseLX10 SM	F-3000® SFP modules 155 Mbps 100BaseFX SM 1310nm to 15km Transmission power -15 to -8 dBm Reception power -3 to -32 dBm	EQT 1052512
F-3000® SFP 1000BaseSX MM	F-3000® SFP modules 1.25 Gbps 1000BaseSX MM 850nm to 550m Transmission power -9.5 to -4 dBm Reception power -3 to -17 dBm	EQT 1052513
F-3000® SFP 1000BaseLX SM	F-3000® SFP modules 1.25 Gbps 1000BaseLX SM 1310nm to 10km Transmission power -9.5 to -3 dBm Reception power -3 to -21 dBm	EQT 1052514
F-3000® SFP BiDi 1,25G SM green	F-3000® SFP modules BiDi 1.25 Gbps SM green to 2km 1550nm TX, 1310nm RX Transmission power -10 to -4 dBm	EQT 1079130
F-3000® SFP BiDi 1,25G SM blue	F-3000® SFP modules BiDi 1.25 Gbps SM blue to 10 km 1310nm TX, 1550nm RX Transmission power -9 to -3 dBm	EQT 1079131