



AVC-SFP-FX

Datasheet

Aiming to create better and safer working environments and life experiences through the products we deliver.



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Product Features

- Duplex LC receptacle optical interface compliant
- Single 3.3V power supply
- Hot-pluggable
- 1310nm FP laser transmitter
- 10km link with 9/125µm Single -mode fiber
- AC-coupled Differential LVPECL inputs and outputs
- LVTTTL Receiver loss of signal output
- Optional DDM/ DMI function
- External calibration for DDM/DMI
- Class 1 laser safety certified
- Operating case temperature: -40 to +85° C
- RoHS compliant



Applications

- FAST Ethernet
- Local Area Network(LAN)/
Metropolitan Area Network(MAN)
- Ethernet/PDH/SDH

Descriptions

AVC-SFP-FX-10 SFP transceivers, according to Small Form Factor Pluggable Multi-Sourcing Agreement (MSA) SFF-8074i and SFF-8472, revision 9.5, are designed for data communication on single mode fiber up to 10km. They are compliant with IEEE Std 802.3-2005 Gigabit Ethernet 100Base-LX and Fiber Channel FC- PI-2 Rev.8.0.

AVC-SFP-FX-10 SFP transceivers offer a wide range of design options, including Digital Diagnostic Monitoring (DDM) features.

AVC-SFP-FX-10 are compliant with RoHS.

Ordering Information

Model Name	Description
AVC-SFP-FX-10	100M SFP optical port module, single mode 10km, wide temperature
AVC-SFP-FX-10-D	100M SFP optical port module, single mode 10km, wide temperature, DDM

Product Features

- Duplex LC receptacle optical interface compliant
- Single 3.3V power supply
- Hot-pluggable
- 1310nm FP laser transmitter
- 20km link with 9/125µm Single -mode fiber
- AC-coupled Differential LVPECL inputs and outputs
- LVTTTL Receiver loss of signal output
- Optional DDM/ DMI function
- External calibration for DDM/DMI
- Class 1 laser safety certified
- Operating case temperature: -40 to +85° C
- RoHS compliant



Applications

- FAST Ethernet
- Local Area Network(LAN)/ Metropolitan Area Network(MAN)
- Ethernet/PDH/SDH

Descriptions

AVC-SFP-FX-20 SFP transceivers, according to Small Form Factor Pluggable Multi-Sourcing Agreement (MSA) SFF-8074i and SFF-8472, revision 9.5, are designed for data communication on single mode fiber up to 20km. They are compliant with IEEE Std 802.3-2005 Gigabit Ethernet 100Base-LX and Fiber Channel FC- PI-2 Rev.8.0.

AVC-SFP-FX-20 SFP transceivers offer a wide range of design options, including Digital Diagnostic Monitoring (DDM) features.

AVC-SFP-FX-20 are compliant with RoHS.

Ordering Information

Model Name	Description
AVC-SFP-FX-20	100M SFP optical port module, single mode 20km, wide temperature
AVC-SFP-FX-20-D	100M SFP optical port module, single mode 20km, wide temperature, DDM

Product Features

- Duplex LC receptacle optical interface compliant
- Single 3.3V power supply
- Hot-pluggable
- 1310nm FP laser transmitter
- 40km link with 9/125µm Single -mode fiber
- AC-coupled Differential LVPECL inputs and outputs
- LVTTTL Receiver loss of signal output
- Optional DDM/ DMI function
- External calibration for DDM/DMI
- Class 1 laser safety certified
- Operating case temperature: -40 to +85° C
- RoHS compliant



Applications

- FAST Ethernet
- Local Area Network(LAN)/
Metropolitan Area Network(MAN)
- Ethernet/PDH/SDH

Descriptions

AVC-SFP-FX-40 SFP transceivers, according to Small Form Factor Pluggable Multi-Sourcing Agreement (MSA) SFF-8074i and SFF-8472, revision 9.5, are designed for data communication on single mode fiber up to 40km. They are compliant with IEEE Std 802.3-2005 Gigabit Ethernet 100Base-LX and Fiber Channel FC- PI-2 Rev.8.0.

AVC-SFP-FX-40 SFP transceivers offer a wide range of design options, including Digital Diagnostic Monitoring (DDM) features.

AVC-SFP-FX-40 are compliant with RoHS.

Ordering Information

Model Name	Description
AVC-SFP-FX-40	100M SFP optical port module, single mode 40km, wide temperature
AVC-SFP-FX-40-D	100M SFP optical port module, single mode 40km, wide temperature, DDM

Product Features

- Duplex LC receptacle optical interface compliant
- Single 3.3V power supply
- Hot-pluggable
- 1310nm FP laser transmitter
- 80km link with 9/125µm Single -mode fiber
- AC-coupled Differential LVPECL inputs and outputs
- LVTTTL Receiver loss of signal output
- Optional DDM/ DMI function
- External calibration for DDM/DMI
- Class 1 laser safety certified
- Operating case temperature: -40 to +85° C
- RoHS compliant



Applications

- FAST Ethernet
- Local Area Network(LAN)/
Metropolitan Area Network(MAN)
- Ethernet/PDH/SDH

Descriptions

AVC-SFP-FX-80 SFP transceivers, according to Small Form Factor Pluggable Multi-Sourcing Agreement (MSA) SFF-8074i and SFF-8472, revision 9.5, are designed for data communication on single mode fiber up to 80km. They are compliant with IEEE Std 802.3-2005 Gigabit Ethernet 100Base-LX and Fiber Channel FC- PI-2 Rev.8.0.

AVC-SFP-FX-80 SFP transceivers offer a wide range of design options, including Digital Diagnostic Monitoring (DDM) features.

AVC-SFP-FX-80 are compliant with RoHS.

Ordering Information

Model Name	Description
AVC-SFP-FX-80	100M SFP optical port module, single mode 80km, wide temperature
AVC-SFP-FX-80-D	100M SFP optical port module, single mode 80km, wide temperature, DDM

Installation dimensions

Unit: mm

