

The DAM-FX10-20K series single mode transceiver is small form factor pluggable Bidirectional module for duplex optical data communications such as 10GBASE-LR/LW defined by IEEE 802.3ae. It is with the SFP+ 20-pin connector to allow hot plug capability.

The BiDi SFP+ module transceiver is designed for single mode fiber and operates at a nominal wavelength of 1270nm or 1330nm; The transmitter section uses a multiple quantum well DFB, which is class 1 laser compliant according to International Safety Standard IEC-60825.

The receiver section uses an integrated InGaAs detector preamplifier (IDP) mounted in an optical header and a limiting post-amplifier IC. The transceiver designs are optimized for high performance and cost-effective to supply customers the best solutions for telecommunication.



### Product Features

- Supports 9.95 to 11.3Gb/s bit rates
- Simplex LC Connector
- Supports Hot-pluggable BiDi SFP+ Module
- SFP+ Module A : 1270nm DFB transmitter, 1330nm PIN photo-detector
- SFP+ Module B : 1330nm DFB transmitter, 1270nm PIN photo-detector
- Applicable for 20km SMF connection
- Compliant with IEEE 802.3ae 10GBASE-LR and 10GBASE-LW
- Compatible to SFF-8431
- Digital Diagnostic SFF-8472 Compliant
- Power Supply : +3.3V
- Temperature Range: 0~ 70 °C
- Compliant for enhanced EMI/EMC performance
- RoHS Compatible and Lead Free
- Supports DOM

### Applications

- 10GBASE-LR at 10.3125Gbps
- 10GBASE-LW at 9.953Gbps
- 10G Fibre Channel
- 10G Network interface cards and Fiber Media Converters
- Other Optical Links

### Operating Conditions

- Temperature
  - Operating: 0 ~ 70 C
  - Storage: -40 ~ 85
- Humidity
  - 0 ~ 85% RH (non-condensing)
- Power Supply Voltage
  - 3.3V
- Power Dissipation
  - < 1 Watt

