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Overview

10GBase, BIDI Optical Transceiver, SFP+, 10G, Single-mode Module (TX1330nm/RX1270nm, 10km, LC)

Quick Specification

Table 1 shows the Quick Specs.

| | |
|---|--|
| Model | SFP-10G-BXD1 |
| Part Number | 02310QDT |
| Description | 10GBase, BIDI Optical Transceiver, SFP+, 10G, Single-mode Module (TX1330nm/RX1270nm, 10km, LC) |
| Level-1 category | 10GE SFP+ Optical Modules |
| Connector type | LC |
| Optical fiber type | SMF |
| Form factor | SFP+ |
| Transmission rate [bit/s] | 10G |
| Target transmission distance [km] | Single-mode fiber (G.652) (with diameter of 9 μm): 10 km |
| Application standard/Type | 10GBASE-BX |
| Working case temperature [°C(°F)] | -40°C to +85°C (-40°F to +185°F) |
| Type of the end face of the fiber ceramic ferrule | PC or UPC |
| Center wavelength [nm] | 1270(RX)1330(TX) |
| Overload power (AVG) [dBm] | 0.5 |
| Maximum Tx optical power (AVG) [dBm] | 0.5 |
| Minimum Tx optical power (AVG) [dBm] | -8.2 |
| Minimum extinction ratio [dB] | 3.5 |
| Rx sensitivity (OMA) [dBm] | -14.4 |

Figure 1 shows the appearance.



Get more information

Do you have any question about the SFP-10G-BXD1 (02310QDT)?

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Specification

| SFP-10G-BXD1 Specification | |
|--|--|
| Basic Information | |
| Model | SFP-10G-BXD1 |
| Part Number | 02310QDT |
| Description | 10GBase, BIDI Optical Transceiver, SFP+, 10G, Single-mode Module (TX1330nm/RX1270nm, 10km, LC) |
| Level-1 category | 10GE SFP+ Optical Modules |
| Form factor | SFP+ |
| Application standard | 10GBASE-BX |
| Connector type | LC |
| Optical fiber type | SMF |
| Working case temperature [°C(°F)] | -40°C to +85°C (-40°F to +185°F) |
| Transmission rate [bit/s] | 10 Gbit/s |
| Target transmission distance [km] | Single-mode fiber: 10 km |
| Transmitter Optical Characteristics | |
| Center wavelength [nm] | 1270 nm (RX) 1330 nm (TX) |
| Maximum Tx optical power [dBm] | 0.5 |
| Minimum Tx optical power [dBm] | -8.2 |

| | |
|---|---|
| Minimum extinction ratio [dB] | 3.5 |
| Receiver Optical Characteristics | |
| Rx sensitivity [dBm] | -14.4 |
| Overload power [dBm] | 0.5 |
| Others | |
| Note | Supports the single-fiber bidirectional function. Single-fiber bidirectional (BIDI) optical modules must be used in pairs. For example, SFP-10G-BXD1 must be used with SFP-10G-BXU1. |

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