Item	Value
Receiver Optical Characteristics	
Rx sensitivity [dBm]	-9.5 dBm
Overload power [dBm]	2.4 dBm
NOTE This optical module supports 1-to-4 splitting. After the splitting, it can be connected to the 10GBase-SR optical module.	

10.15.18 QSFP-40G-LR4-eKit

Table 10-120 QSFP-40G-LR4-eKit specifications

Item	Value
Basic Information	
Module name	QSFP-40G-LR4-eKit
Part Number	02315HPC
Model	QSFP-40G-LR4-eKit
Form factor	QSFP+
Application standard	40GBASE-LR4
Connector type	LC
Optical fiber type	SMF
Working case temperature [°C(°F)]	0°C to 70°C (32°F to 158°F)
Digital diagnostic monitoring (DDM)	Supported
Transmission rate [bit/s]	40 Gbit/s
Target transmission distance [km]	Single-mode fiber: 10 km
Transmitter Optical Characteristics	
Center wavelength [nm]	1271 nm,1291 nm,1311 nm,1331 nm
Maximum Tx optical power [dBm]	2.3 dBm
Minimum Tx optical power [dBm]	-7.0 dBm
Minimum extinction ratio [dB]	3.5 dB
Receiver Optical Characteristics	
Rx sensitivity [dBm]	-11.5 dBm
Overload power [dBm]	3.3 dBm

10.15.19 QSFP-40G-LR4L-eKit

Table 10-121 QSFP-40G-LR4L-eKit specifications

Item	Value
Basic Information	
Module name	QSFP-40G-LR4L-eKit
Part Number	02315HPB
Model	QSFP-40G-LR4L-eKit
Form factor	QSFP+
Application standard	40GBASE-LR4 Lite
Connector type	LC
Optical fiber type	SMF
Working case temperature [°C(°F)]	0°C to 70°C (32°F to 158°F)
Digital diagnostic monitoring (DDM)	Supported
Transmission rate [bit/s]	40 Gbit/s
Target transmission distance [km]	Single-mode fiber (G.652, diameter: 9 μm): 2 km
Transmitter Optical Characteristics	
Center wavelength [nm]	1271 nm,1291 nm,1311 nm,1331 nm
Maximum Tx optical power [dBm]	2.3 dBm
Minimum Tx optical power [dBm]	-9.0 dBm
Minimum extinction ratio [dB]	3.5 dB
Receiver Optical Characteristics	
Rx sensitivity [dBm]	-10.5 dBm
Overload power [dBm]	2.3 dBm

10.15.20 QSFP-40G-eSR4-eKit

Table 10-122 QSFP-40G-eSR4-eKit specifications

Item	Value
Basic Information	
Module name	QSFP-40G-eSR4-eKit

Item	Value
Part Number	02315HNX
Model	QSFP-40G-eSR4-eKit
Form factor	QSFP+
Application standard	40GBASE-eSR4 (non-standard)
Connector type	MPO/PC (8-strand or 12-strand, type B, female connector)
Optical fiber type	MMF
Working case temperature [°C(°F)]	0°C to 70°C (32°F to 158°F)
Digital diagnostic monitoring (DDM)	Supported
Transmission rate [bit/s]	40 Gbit/s
Target transmission distance [km]	Multimode fiber (with modal bandwidth of 160 MHz*km and diameter of 62.5 μm): 0.026 km Multimode fiber (OM1): 0.033 km Multimode fiber (with modal bandwidth of 400 MHz*km and diameter of 50 μm): 0.066 km Multimode fiber (OM2): 0.082 km Multimode fiber (OM3): 0.3 km Multimode fiber (OM4): 0.4 km
Transmitter Optical Characteristics	
Center wavelength [nm]	850 nm
Maximum Tx optical power [dBm]	0.5 dBm
Minimum Tx optical power [dBm]	-7.6 dBm
Minimum extinction ratio [dB]	3.0 dB
Receiver Optical Characteristics	
Rx sensitivity [dBm]	-11.1 dBm
Overload power [dBm]	2.4 dBm
NOTE This optical module supports 1-to-4 splitting. After the splitting, it can be connected to the 10GBase-SR optical module.	

10.15.21 QSFP-40G-iSR4-eKit

Table 10-123 QSFP-40G-iSR4-eKit specifications

Item	Value
Basic Information	
Module name	QSFP-40G-iSR4-eKit
Part Number	02315HPD
Model	QSFP-40G-iSR4-eKit
Form factor	QSFP+
Application standard	40GBASE-SR4 40GBASE-iSR4 (non-standard)
Connector type	MPO/PC (8-strand or 12-strand, type B, female connector)
Optical fiber type	MMF
Working case temperature [°C(°F)]	0°C to 70°C (32°F to 158°F)
Digital diagnostic monitoring (DDM)	Supported
Transmission rate [bit/s]	40 Gbit/s
Target transmission distance [km]	Multimode fiber (OM3): 0.1 km Multimode fiber (OM4): 0.15 km
Transmitter Optical Characteristics	
Center wavelength [nm]	850 nm
Maximum Tx optical power [dBm]	0.5 dBm
Minimum Tx optical power [dBm]	-7.6 dBm
Minimum extinction ratio [dB]	3.0 dB
Receiver Optical Characteristics	
Rx sensitivity [dBm]	-9.5 dBm
Overload power [dBm]	2.4 dBm
NOTE This optical module supports 1-to-4 splitting. After the splitting, it can be connected to the 10GBase-SR optical module.	

10.16 100GE QSFP28 Optical Modules