



S+2733LC10D

Bi-Di

S+2733LC10D is a pair of reliable, **industrial-grade 10G SFP+** modules designed for single-mode links **up to 10 km**. By transmitting and receiving on different wavelengths over a single fiber strand, these modules provide efficient long-distance connectivity while reducing fiber requirements.



This new model delivers an affordable alternative to our XS+2733LC15D module pair for customers who do not need 25G SFP28 support. A smart, **budget-friendly choice for 10G networks** that require connectivity without breaking the bank.

The module includes built-in digital diagnostics (DDM) for monitoring optical power, voltage, temperature, laser bias current, and other key parameters. These functions help detect abnormal activity or when customizable operating limits are exceeded. Monitoring makes it easier to plan ahead, make informed decisions, and schedule upgrades or maintenance based on real performance data.

• Specifications

| | |
|--------------|----------------------|
| Product code | S+2733LC10D |
| Format | SFP+ |
| Connector | Simplex LC connector |
| Mode | Single mode |
| Data Rate | 10G |
| Wavelength | 1270nm + 1330nm |
| Distance | Up to 10 km |

| Electrical characteristics | Min. | Max. | Unit | Note |
|--------------------------------------|------|------|------|------|
| Receiver | | | | |
| Receiver differential output voltage | 350 | 800 | mVpp | 1 |
| LOS output Voltage-High | 2.0 | Vcc | V | 2 |
| LOS output Voltage-Low | | 0.8 | V | 2 |

1.Into 100-ohm differential termination.

2.LOS is LVTTTL. Logic 0 indicates normal operation; logic 1 indicates no signal detected.

| Optical characteristics | Min. | Max. | Unit | Note |
|----------------------------|------|-------|------|------|
| Transmitter | | | | |
| Output power | -8.2 | +0.5 | dBm | 1 |
| Receiver | | | | |
| Receiver sensitivity (OMA) | | -14.4 | dBm | 2 |
| LOS-Deasserted (Avg.) | | -17 | dBm | |
| LOS-Asserted (Avg.) | -35 | -17 | dBm | |
| LOS-Hysteresis | 0.5 | 5 | dB | |

1.The optical power is launched into SMF

2..Measured with a PRBS 2³¹-1 test pattern,10.3125G@BER=1E-12.