

HS-55DLC80D

A 1.25G / 2.5G SFP module for 80 km links.



This unit is a direct upgrade of our previous S-55DLC80D 1.25G 80 km module: more speed for the same price. We have added 2.5G support, giving you more flexibility for long-distance fiber links while keeping the SFP setup and 80 km reach.

• Specifications

Product code	HS-55DLC80D
Format	SFP
Connector	Dual LC UPC
Mode	Single Mode
Data Rate	1G / 2.5G
Wavelength	1550nm
Distance	80km
Temperature	-40°C to +70°C
Max power consumption	1 W

Electrical characteristics	Min.	Max.	Unit	Note
Receiver				
Receiver differential output voltage	300	600	mVpp	1
LOS output Voltage-High	Vcc- 0.5	Vcc	V	2
LOS output Voltage-Low	Vee	Vee+0.5	V	2

1. Into 100Ω differential termination.

2. LOS is an open collector output. Should be pulled up with 4.7kΩ – 10kΩ on the host board. Normal operation is logic 0; loss of signal is logic 1.

Optical characteristics	Min.	Max.	Unit	Note
Transmitter				
Output power	-2	3	dBm	1
Receiver				
Receiver sensitivity (OMA)		-28	dBm	2
LOS-Deasserted (Avg.)		-29	dBm	
LOS-Asserted (Avg.)	-40		dBm	
LOS-Hysteresis	0.5	5	dB	

1. The optical power is launched into 9/125μm SMF.

2. Measured with a PRBS 27-1 test pattern @2.5Gbps, worst-case extinction ratio, BER ≤1×10⁻¹⁰