

D-TECH SFP 1.25G BIDI Tx1550/Rx1310nm DDM

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Variants

60km LC 20km LC 20km SC 10km LC 40km LC

Details

SFP 1.25G BIDI 20KM Transceiver – Specifications (Tx1310 / Rx1550nm)

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Storage Temperature	Ts	-40	+85	°C
Operating Temperature (Commercial)	Tc	0	+70	°C
Operating Temperature (Extended)	Tc	-20	+85	°C
Operating Temperature (Industrial)	Tc	-40	+85	°C
Power Supply Voltage	Vcc-VEE	0	+3.6	V

Recommended Operating Conditions

Parameter	Symbol	Min	Typ	Max	Unit
Storage Temperature	Ts	-40	-	+85	°C
Operating Temperature	Tc	0	-	+70	°C

Power Supply Voltage	Vcc	3.1	3.3	3.5	V
Power Supply Current	Icc	-	-	300	mA
Data Rate	DR	-	1250	-	Mbps

Optical Specifications

Parameter	Min	Max	Unit
Tx Wavelength	1291	1330	nm
Rx Wavelength	1531	-	nm
Tx Output Power	-9	-3	dBm
Extinction Ratio	9	-	dB
Receiver Sensitivity	-24	-	dBm
Receiver Saturation	-3	5	dBm
LOS Assert	-40	-	dBm
LOS Hysteresis	0.5	-	dB

Electrical Specifications

Parameter	Min	Max	Unit
TX Current	70	150	mA
RX Current	70	140	mA
Input Impedance	90	110	?
Input Voltage	500	2400	mV
Output Voltage	600	2000	mV

Diagnostics (DDM)

Parameter	Range	Accuracy	Unit
Temperature	0 to +70	±3	°C
Voltage	3.0 to 3.6	±3%	V
TX Power	-9.5 to -3	±3	dBm
RX Power	-24 to -3	±3	dBm