Absolute Maximum Ratings

Parameter	Symbol	Minimum	Maximum	Unit
Storage Temperature	T_{ST}	-40	+85	^{O}C
Lead Sodering Temperature / Time	T_{SOLD}	-	240/10	$^{O}C/s$
Input Voltage	V_{IN}	0	Vcc	V
Operation Temperature	T_{OP}	-40	+85	^{O}C

Operation Environment

Parameter	Symbol	Minimum	Maximum	Unit
Supply Voltage	V_{CC}	3.10	3.50	V
		4.75	5.25	V
Ambient Operating Temperature	T_A	-40	+85	^{O}C

Electrical Characteristics

Parameter	Symbol	Minimum	Type	Maximum	Unit
Transmitter Differential Input Volt	± TX_DAT	650		2000	mV p-p
Supply Current	I_{CC}		200	250	mA
Tx_Disable Input Voltage - Low	V_{IL}	0		0.8	V
Tx_Disable Input Voltage - High	V_{IH}	2.0		Vcc	V
Tx_Fault Output Voltage - Low	V_{OL}	0		0.8	V
Tx_Fault Output Voltage - High	V_{OH}	2.0		Vcc	V
Receiver Differential Output Volt	± RX_DAT	0.4		2000	mV p-p
Rx_LOS Output Voltage- Low	V_{OL}	0		0.8	V
Rx_LOS Output Voltage- High	V_{OH}	2.0		Vcc	V

Transmitter Optical Characteristics:

(Ambient Operating Temperature Ta=0°C to +85°C, Vcc = 4.75V to 5.25V or 3.1V to 3.5V)

Parameter	Symbol	Min.	Typical	Max.	Units
Data Rate	B	-	1250		Mb/s
Output Center Wavelength	λce	X-5	X+1	X-6	nm
Output Spectral width	Δλ			1.0	nm
Average Optical Output Power	Po	-3		0	dBm
Extinction Ratio	Ext	10			dB
Output optical Eye	Compliance with IEEE 802.3z				
Max. P_{out} TX_DISABLE Asserted	P_{Off}			-35	dBm
Optical Rise / Fall time	t_r / t_f			0.26	ns

Notes:

The "X" can be specified by customer, the current available wavelengths are: 1470 1490, 1510, 1530, 1550, 1570, 1590, 1610nm.