

Свойства

- два SFP28 модуля соединенные оптическим кабелем
- до 25Gb/s data rate
- оптический кабель длиной XX метров в зависимости от модели



Применение

25GBase Ethernet

● Описание

Модель	Product Description
OTSFP28-AOC-XXM	XXm - Active Optical Cable 0.5 ~ 100m

● Рекомендованные параметры

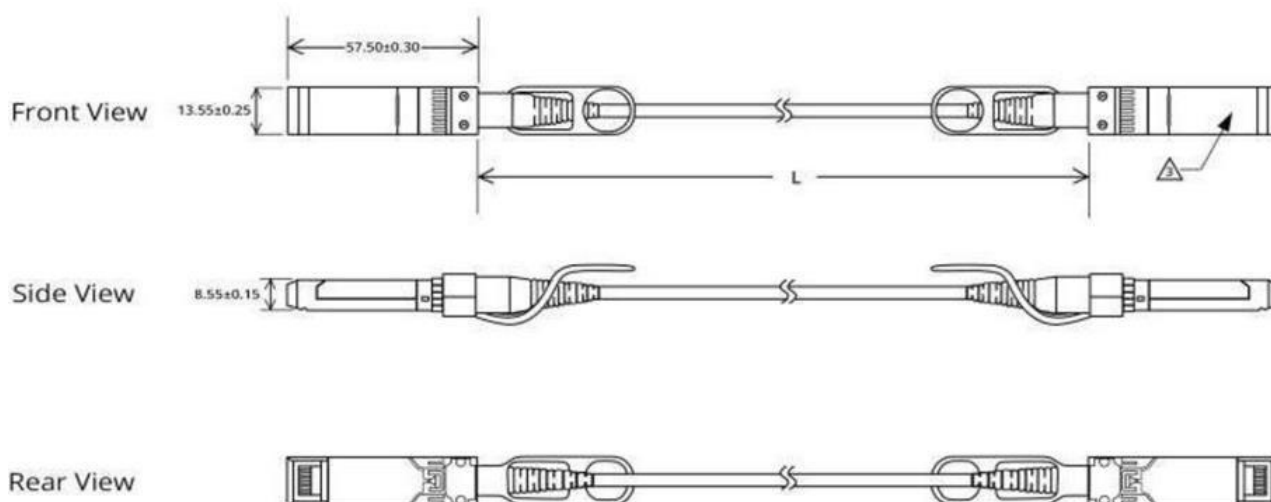
Parameter	Symbol	Min.	Typical	Max.	Unit
Storage Ambient Temperature		-40		+85	°C
Operating Case Temperature	Tc	0		+70	°C
Power Supply Voltage	VCC3	3.14	3.3	3.47	V

● Электрические параметры

Parameter	Symbol	Min.	Typical	Max.	Units	Note
Power Supply Voltage	Vcc	3.135	3.3	3.465	V	
Operating Case Temperature	TC	0	25	70	°C	
Data Rate, each Lane			25.78125		Gb/s	
Data Rate Accuracy		-100		100	ppm	
Control Input Voltage High		2		Vcc	V	

Control Input Voltage Low		0		0.8	V	
Fiber Bend Radius	Rbend	3			cm	
Parameter Differential Voltage, pk-pk	Symbol TP4	Min.	Typical	Max. 900	Units mV	Note
Common Mode Voltage (Vcm)	TP4	-350		2850	mV	2
Common Mode Noise, RMS	TP4			17.5	mV	At 1MHz
Differential Termination Resistance Mismatch	TP4			10	%	
Differential Return Loss (SDD22)	TP4			See CEI-28G VSR Equation 13-	dB	
Common Mode to Differential conversion and Differential to Common Mode conversion (SDC22, SCD22)	TP4			See CEI-28G VSR Equation 13-19	dB	
Common Mode Return Loss (SCC22)	TP4			-2	dB	3
Transition Time, 20 to 80%	TP4	9.5			Ps	
Vertical Eye Closure (VEC)	TP4			5.5	dB	
Eye Width at 10 ⁻¹⁵ probability (EW15)	TP4	0.57			UI	
Eye Height at 10 ⁻¹⁵ probability (EH15)	TP4	228		mV		

● Кабель



Acceptable standard

Type	Length(m)		tolerance (cm)
AOC	$L \leq 1$		+7~-0
	$1 < L < 7$		+10~-0
	$L \geq 7$		+2%~-0

Lable solt size

type	Size(mm)	tolerance (mm)
lable	31mm*10 mm	±0.5mm

● Механические параметры

