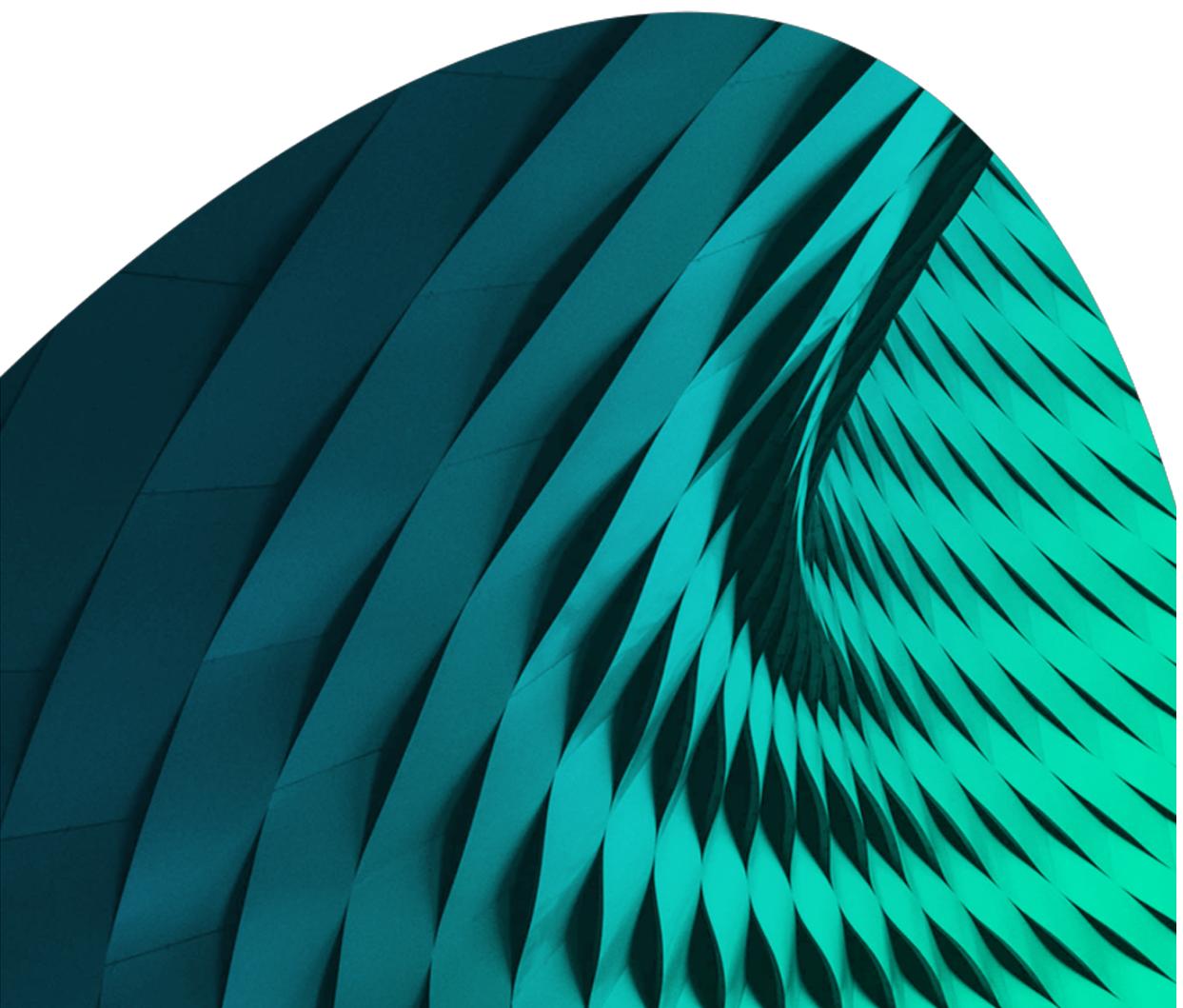




**Datasheet**

DAC-QSFP28-4X25G-XM-PO



01

## Product features

- QSFP End: Compliant with QSFP28 MSA specifications
- SFP End: Compliant with SFP28 MSA specifications
- 4 independent duplex channels operating at 25Gbps
- AC coupled inputs and outputs
- 100 Ohm differential impedance
- All-metal housing for superior EMI performance
- Single power supply 3.3V, low power consumption
- RoHS Compliant
- Operating temperature range (Case Temperature):
- Commercial Level : 0°C to 70°C

02

## Applications

- 100GbE
- 25GbE
- Fiber Channel

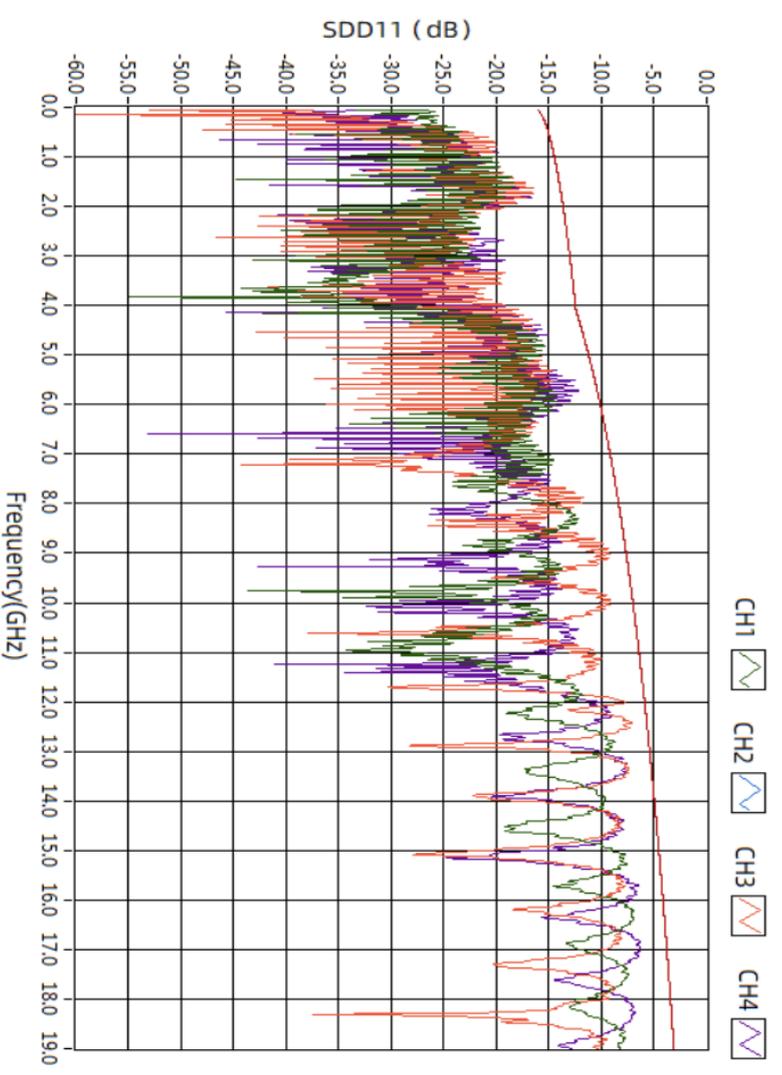
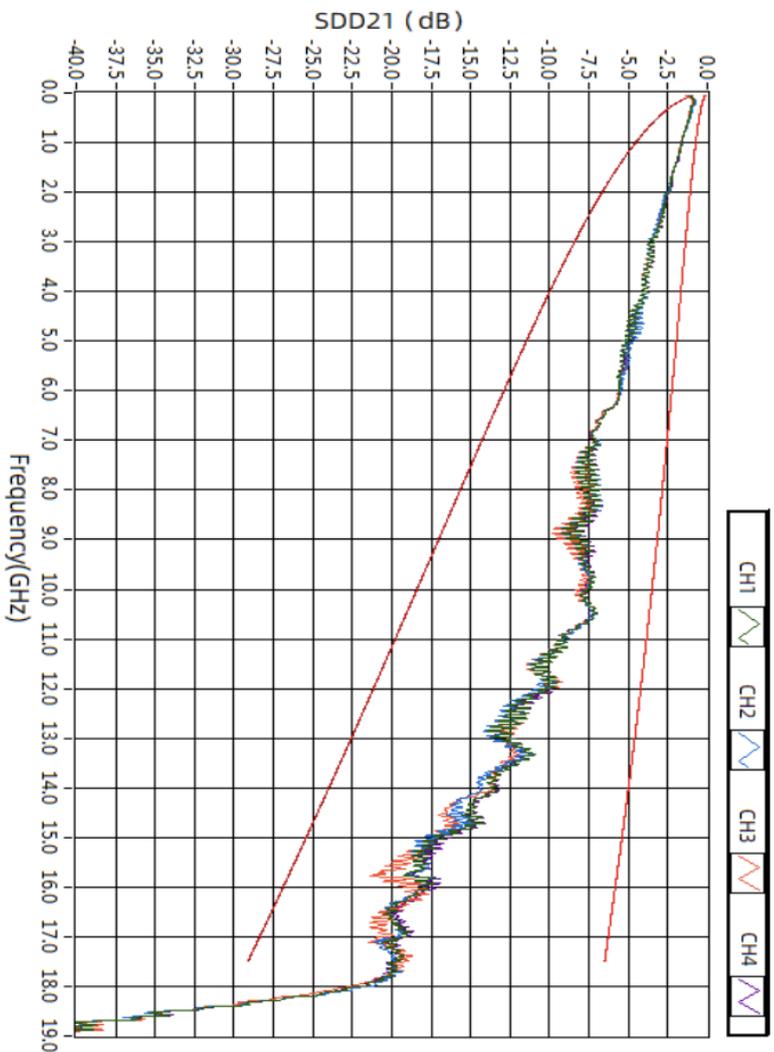
## General Specifications

Parameter	Symbol	Min	Typical	Max	Units	Notes
Storage Ambient Temperature		-40		+85	° C	
Operating Case Temperature	T <sub>c</sub>	0		+70	° C	
Power Supply Voltage	VCC3	3.14	3.3	3.47	V	
Power Supply Current	I <sub>cc</sub>			30	mA	
Data Rate, each Lane				10.5	Gbps	
Durability		100			cycle	
Transceiver Insert Force		40			N	
Transceiver Extraction Force		11,5			N	
Transceiver Retention Force		90		170	N	
Cable Diameter(26AWG)	DIA		8.5		mm	
Cable Time Delay	Td		4.3		ns/m	
Cable Impedance	Z	90	100	110	Ω	

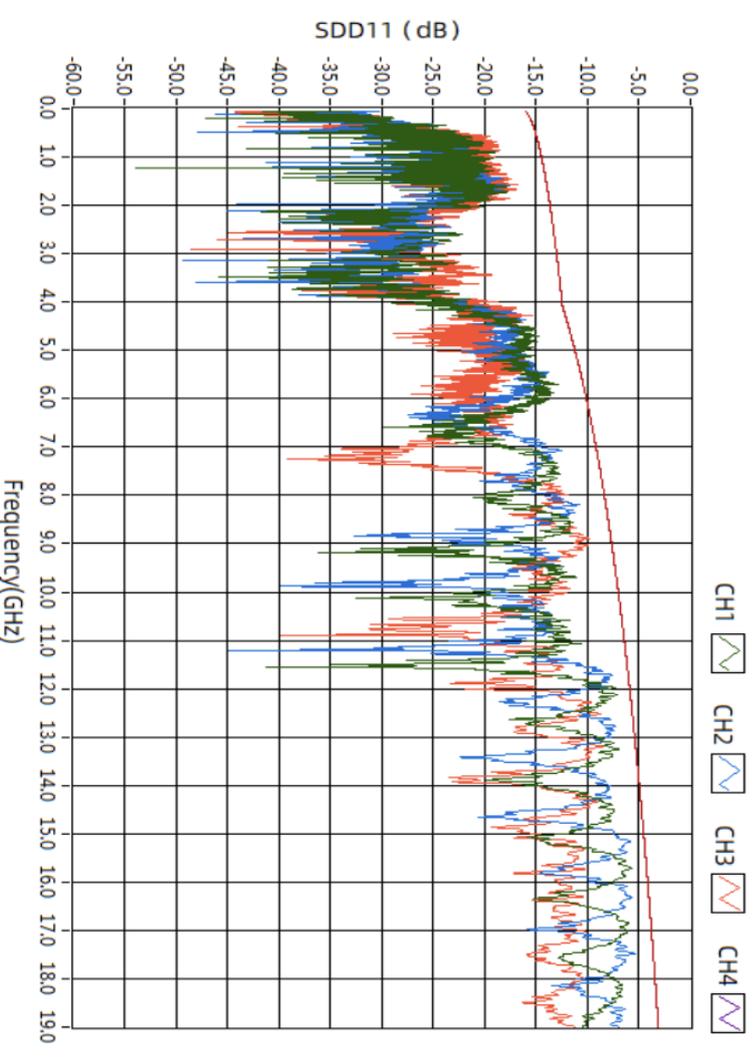
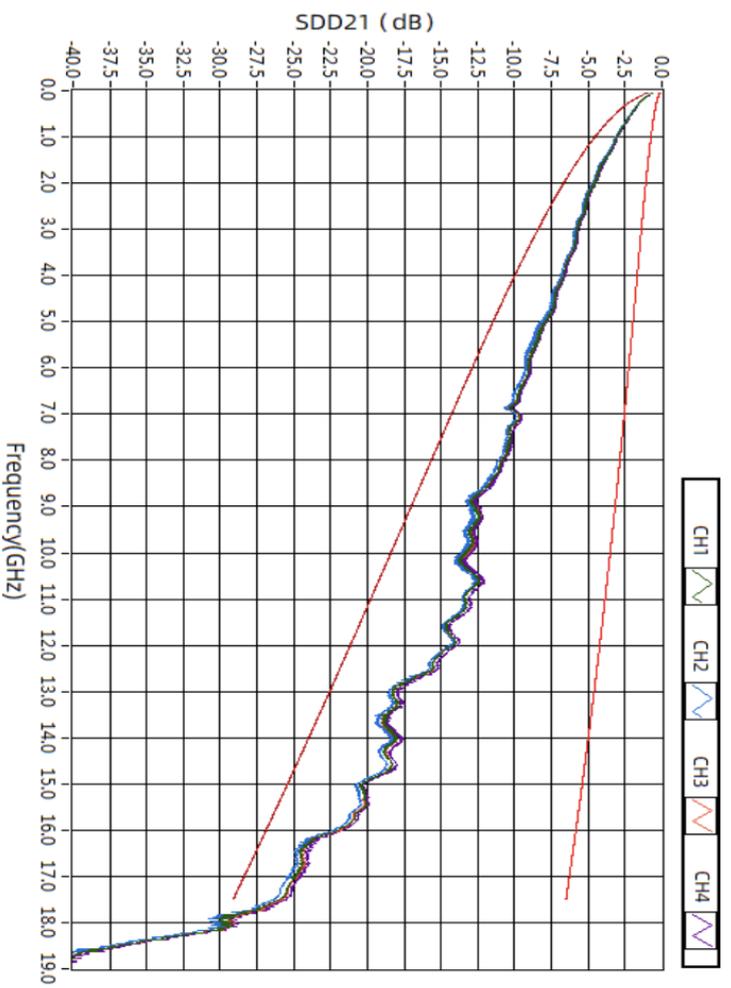
## Ordering Information

Part Number	Cable Length (meters)	AWG
DAC-QSFP28-4X25G-1M	1	30
DAC-QSFP28-4X25G-2M	2	30
DAC-QSFP28-4X25G-3M	3	28
DAC-QSFP28-4X25G-5M	5	26

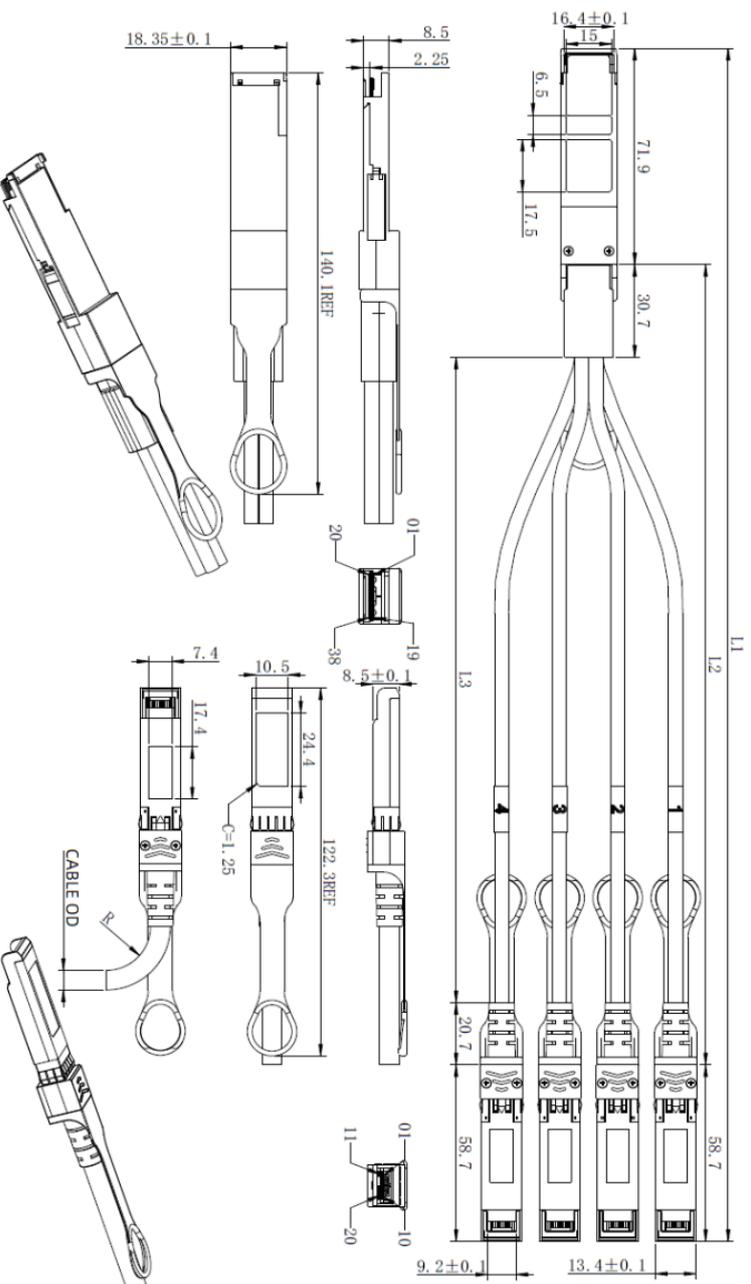
# 1m 30AWG typical insertion loss and reflection curve



## 3m 30AWG typical insertion loss and reflection curve



# Mechanical Dimension



ALL DIMENSIONS ARE  $\pm 0.2 \text{ mm}$  UNLESS OTHERWISE SPECIFIED  
 UNIT: mm



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