



## **Datasheet**

DAC-QSFP28-100G-xM-PO (Direct Attach Copper Cable)

01

## Product features

- Up to 100 Gb/s bi-directional data links
- Compliant with QSFP28 MSA specifications
- Fully Compliant with IEEE 802.3bj
- 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

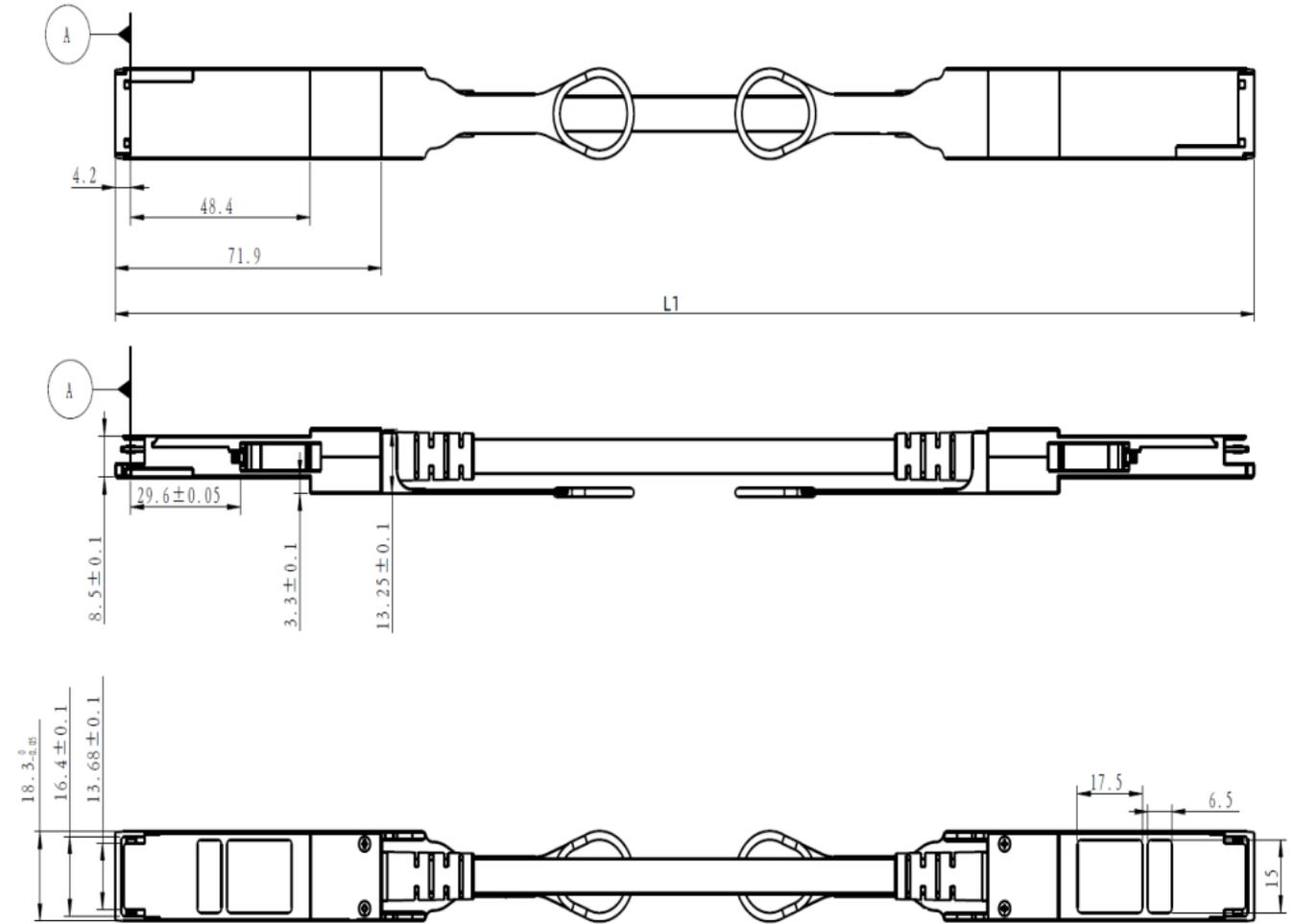
02

## Applications

- 100GbE

03

## Mechanical Dimension



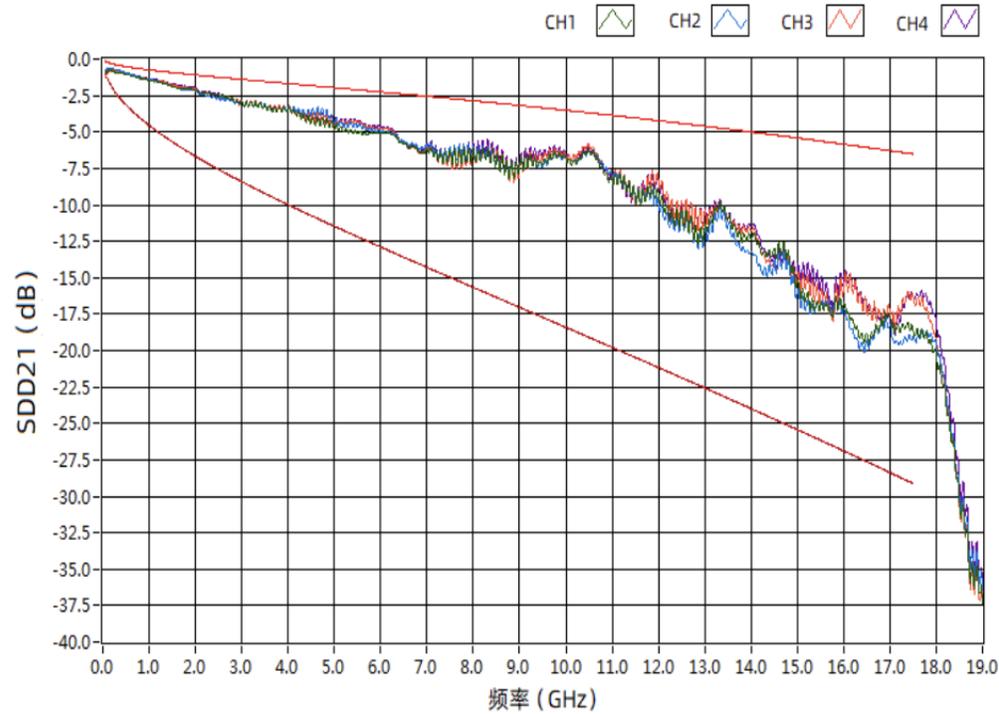
ALL DIMENSIONS ARE  $\pm 0.2$ mm UNLESS OTHERWISE SPECIFIED  
UNIT: mm

## Ordering Information

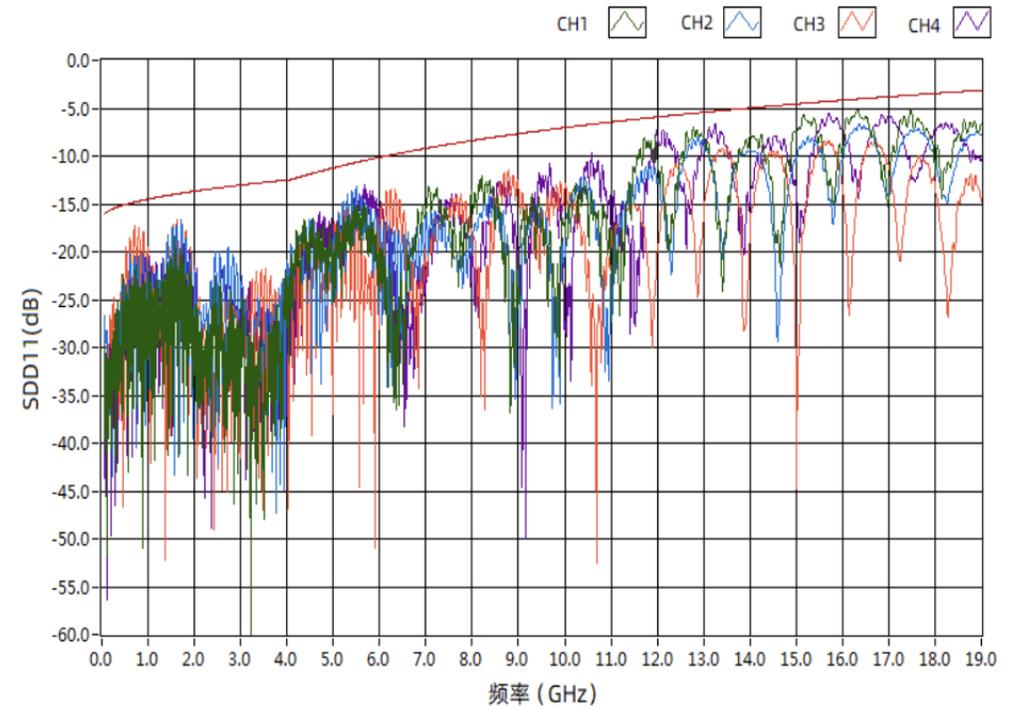
Part Number	Cable Length (m)	AWG	Cable diameter (mm)	Minimum bending radius R (mm)
DAC-QSFP28-100G-0.5M	0.5	30	6.9	35
DAC-QSFP28-100G-1M	1	30	6.9	35
DAC-QSFP28-100G-2M	2	30	6.9	35
DAC-QSFP28-100G-3M	3	30	6.9	35
DAC-QSFP28-100G-5M	5	26	9.2	45

# 1m 30AWG typical insertion loss and reflection curve

## 1m 30AWG typical insertion loss curve

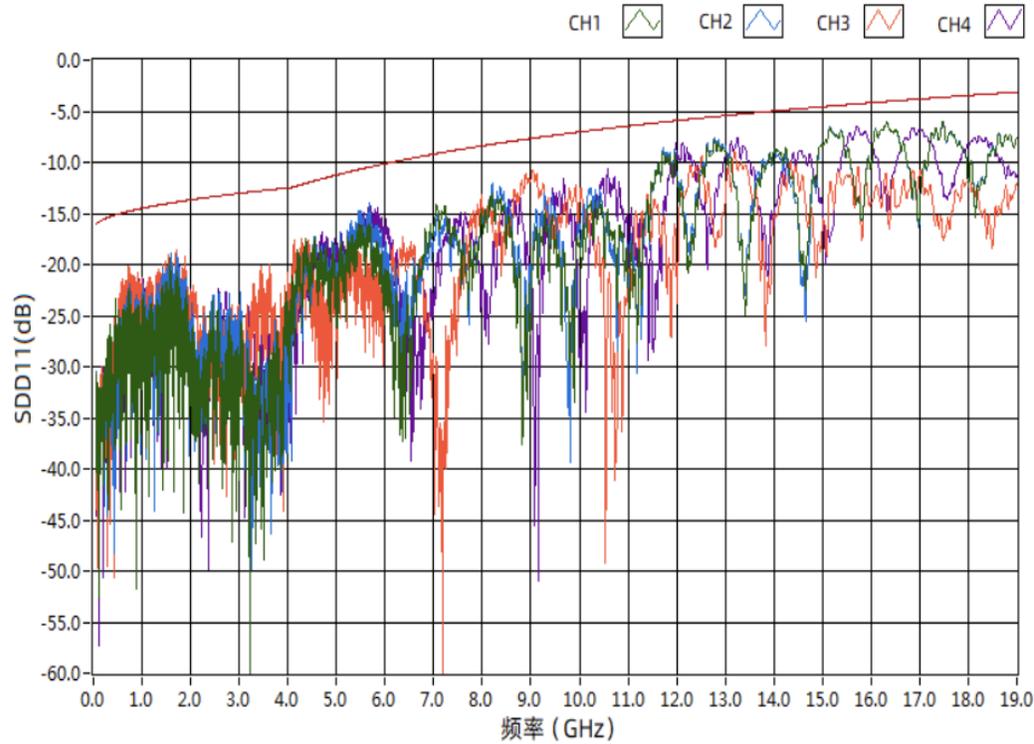


## 1m 30AWG typical reflection curve

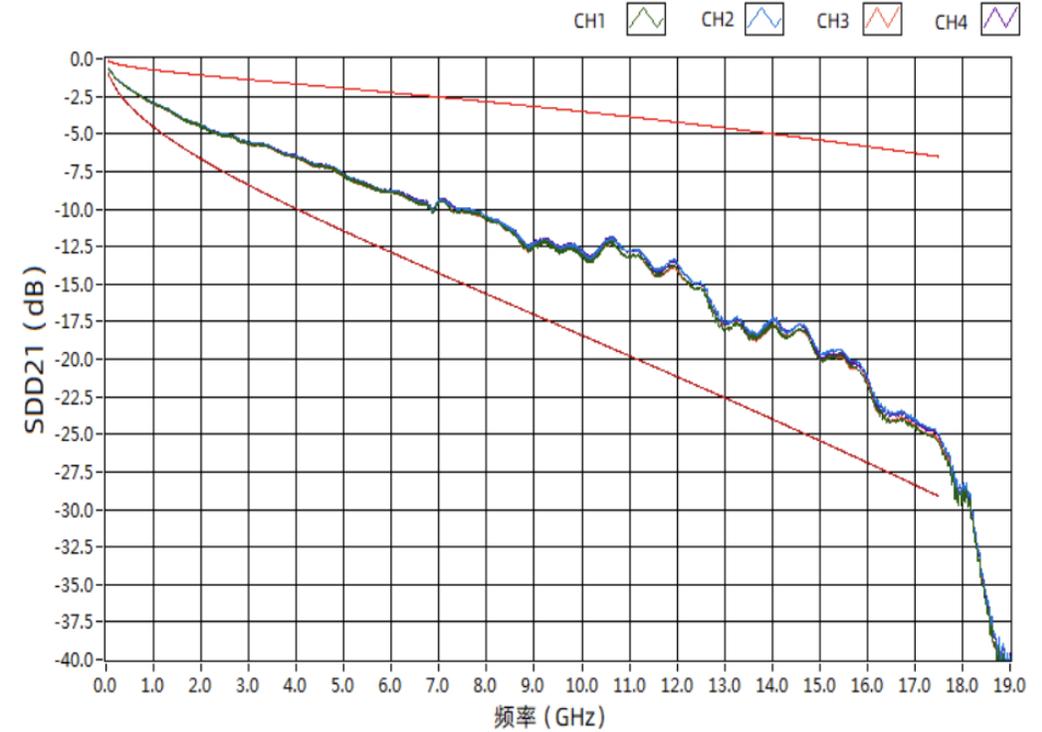


## 3m 30AWG typical insertion loss and reflection curve

### 3m 30AWG typical reflection curve

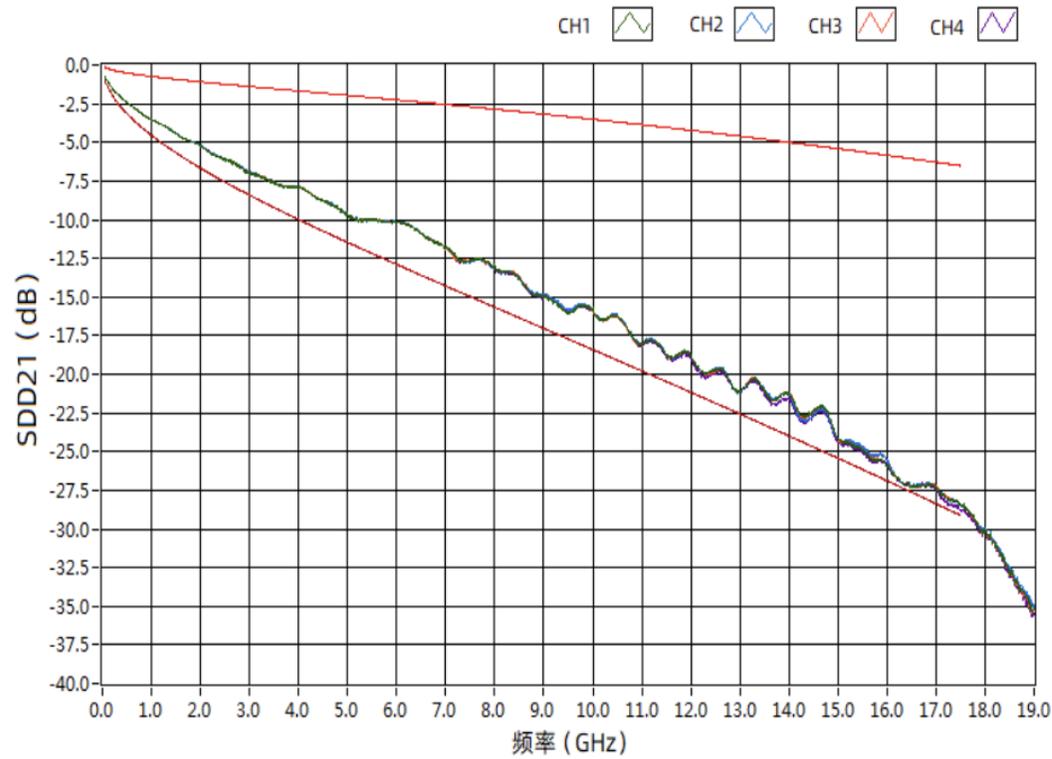


### 3m 30AWG typical insertion loss curve

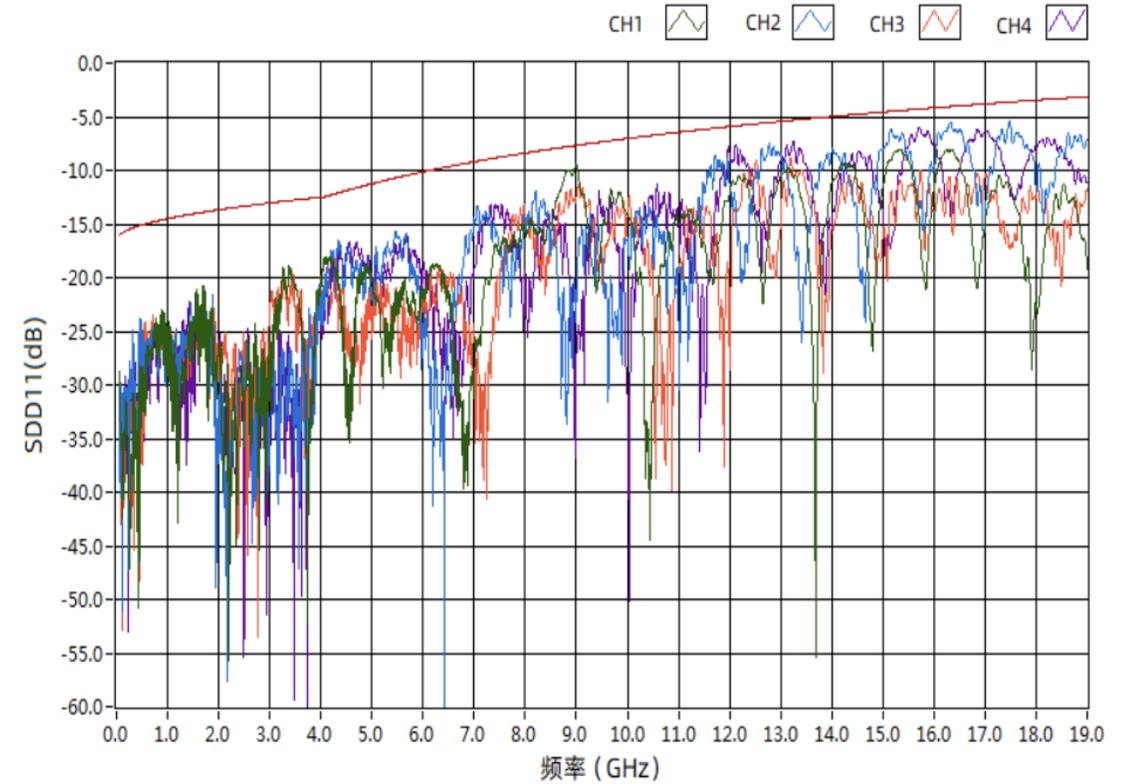


## 5m 26AWG typical insertion loss and reflection curve

### 5m 26AWG typical insertion loss curve



### 6AWG typical reflection curve





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