

## Features:

- QSFP Module compliant to SFF-8661
- Transmission data rate up to 25.78Gbps per channel
- Enable (4X25.78)100Gb/s Transmission
- Maximum link length up to 5m
- Built-in EEPROM functions
- Operating case temperature 0°C ~ +70°C
- RoHS compliant



## 1. Absolute Maximum Ratings

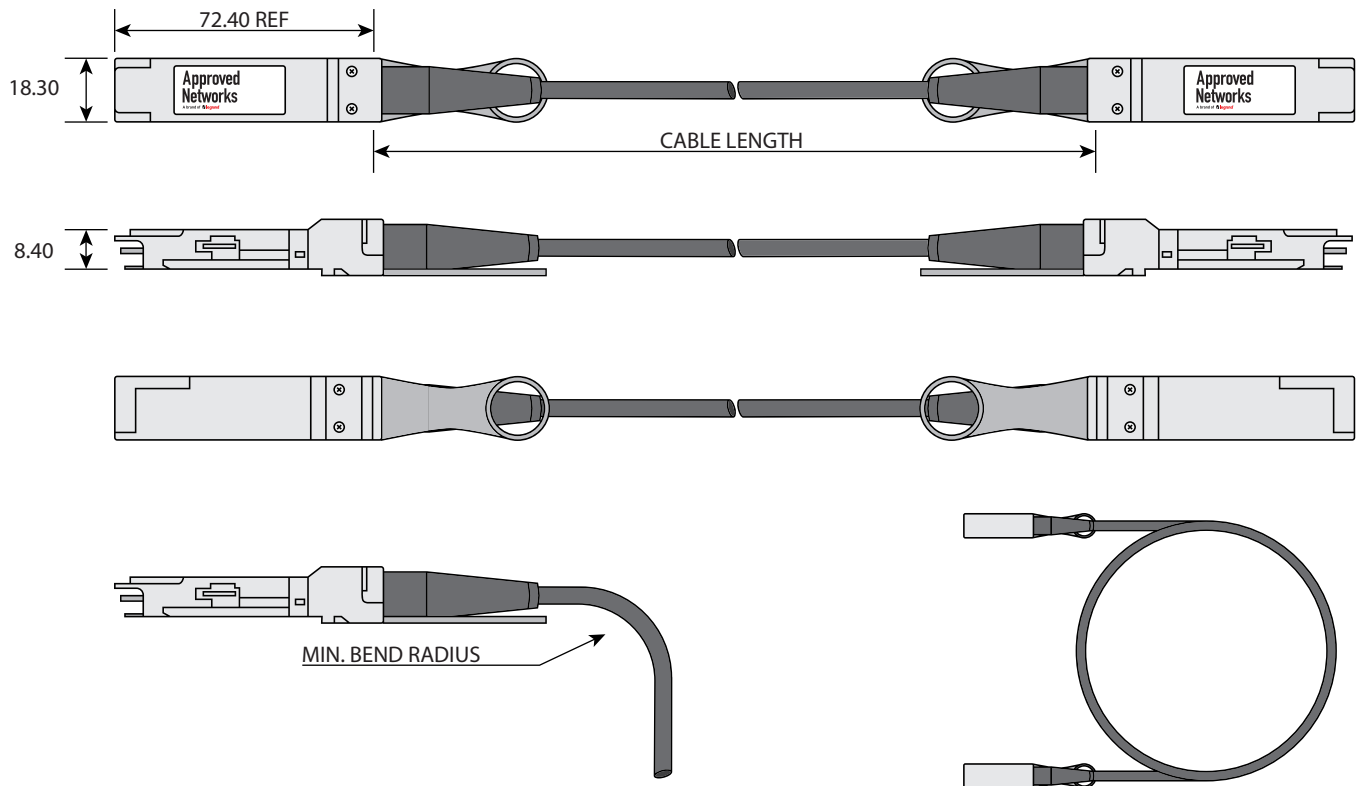
Parameter	Symbol	Min	Typical	Max	Unit
Supply Voltage	Vcc	3.13	3.3	3.47	V
Storage temperature	Ts	-40		85	°C
Operating Case temperature	Tc	0		70	°C
Humidity	Rh	5		85	%
Data Rate			100		Gbps

## 2. Electrical Specifications

Parameter	Symbol	Min	Typical	Max	Unit
Resistance	Rcon			3	ohm
Insulation Resistance	Rins			10	Mohm
Raw cable impedance	Zca	95	100	105	ohm
Mated connector Impedance	Zmated	85	100	115	ohm

Insertion loss at 12.89 GHz	SDD21	8		22.48	dB
Return loss at 12.89 GHz	SDD11/22	Return_loss(f) ≥	$\left\{ \begin{array}{ll} 16.5-2\sqrt{f} & 0.05 \leq f < 4.1 \\ 10.66-14\log_{10}(f/5.5) & 4.1 \leq f \leq 19 \end{array} \right\}$		dB
Differential to common-mode return loss	SCD11/22	Return_loss(f) ≥	$\left\{ \begin{array}{ll} 22-(20/25.78)f & 0.01 \leq f < 12.89 \\ 15-(6/25.78)f & 12.89 \leq f \leq 19 \end{array} \right\}$		dB
Differential to common-mode conversion loss	SCD21-SDD21	Conversion_loss(f) - IL(f) ≥	$\left\{ \begin{array}{ll} 10 & 0.01 \leq f < 12.89 \\ 27-(29/22)f & 0.01 \leq f < 15.7 \\ 6.3 & 15.7 \leq f \leq 19 \end{array} \right\}$		dB
Minimum COM	COM	3			dB

### 3. Mechanical Diagram



**Note:** External physical characteristics are subject to variation. This may include, but is not limited to, external case designs, pull tab colors and/or shapes, removal latch styles or colors, and label sizes and placement. These variations do not affect the function or characteristics of the transceivers.

## 4. Ordering Information

Our 100GBase QSFP28 Multi-vendor passive DAC cables come in varying lengths and OEM connection options. To build the perfect fit for you, please view how to create your part number below.

Example:

For a **Brocade** to **Cisco** DAC measuring the length of **1m**, the part number would be as follows: QSFP100G-**BRCS**-CU-**1M**.

Please note that OEM abbreviations should be listed in alphabetical order.

Sample	OEM	OEM Abbreviations	Length <L>
<b>QSFP100G-XXXX-CU-&lt;L&gt;M</b>	Arista	AN	0.5m
	Brocade	BR	1m
	Cisco	CS	1.5m
	Dell	DF	2m
	Intel	IN	2.5m
	Juniper	JN	3m
	Mellanox	MX	5m
	MSA	MS	-

## 5. Contact Information

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