

## Features

- Up to 25.78125 Gbps data rate
- Up to 5 meter transmission
- Hot-pluggable SFP 20PIN foot
- Improved Pluggable Form Fact compliant for enhanced EMI/E performance
- Compatible to SFP28 MSA
- Compatible to SFF-8402 and S
- Temperature Range: 0~ 70°C
- RoHS Compatible

## Benefits

- Cost-effective copper solution
- Lowest total system power solution

## 1. High Speed Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Note
Differential Impedance	RIN,P-P	90	100	110	$\Omega$	
Insertion loss	SDD21	8		22.48	dB	At 12.8906 GHz
Differential Return Loss	SDD11	12.45		See 1	dB	At 0.05 to 4.1 GHz
	SDD22	3.12		See 2	dB	At 4.1 to 19 GHz
Common-mode to common-mode output return loss	SCC11	2			dB	At 0.2 to 19 GHz
	SCC22					
Differential to common-mode return loss	SCD11	12		See 3	dB	At 0.01 to 12.89 GHz
	SCD22	10.58		See 4		At 12.89 to 19 GHz



- Lowest total system EMI solution
- Optimized design for Signal Integrity

## Applications

- 25G Ethernet

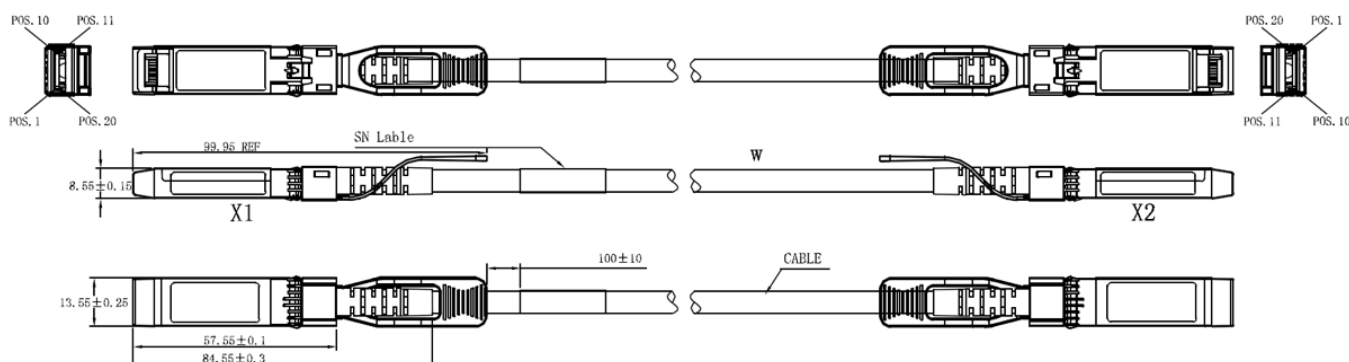
Differential to common Mode Conversion Loss	SCD21-IL	10				At 0.01 to 12.89 GHz
				See 5	dB	At 12.89 to 15.7 GHz
		6.3				At 15.7 to 19 GHz
Channel Operating Margin	COM	3			dB	

## Notes:

1. Reflection Coefficient given by equation  $SDD11(dB) < 16.5 - 2 \times \sqrt{f}$ , with f in GHz
2. Reflection Coefficient given by equation  $SDD11(dB) < 10.66 - 14 \times \log_{10}(f/5.5)$ , with f in GHz
3. Reflection Coefficient given by equation  $SCD11(dB) < 22 - (20/25.78)*f$ , with f in GHz
4. Reflection Coefficient given by equation  $SCD11(dB) < 15 - (6/25.78)*f$ , with f in GHz
5. Reflection Coefficient given by equation  $SCD21(dB) < 27 - (29/22)*f$ , with f in GHz

## 2. Mechanical Specifications

The connector is compatible with the SFF-8432 specification.



**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.

### 3. Ordering Information

Our 25GBase SFP28 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:  
SFP25GB-**BRCS**-CU-**1**M.

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

Sample	OEM	OEM Abbreviations	Length <L>
<b>SFP25GB-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	JP	3m
	Mellanox	MX	5m
	MSA	MS	-

### 4. Contact Information

Tel: 800.590.9535

Web: <http://www.approvednetworks.com>