

Product Features:

- Up to 25Gb/s bi-directional data rate
- Up to 5m reach in various AWG cable with PVC jacket
- Robust cable design and strain relief
- Maximum EMI shielding for signal integrity
- EEPROM capability
- Maximum power consumption 0.1W
- Commercial (0°C to 70°C) operating temperature
- Hot pluggable
- Thermoplastic pull-to-release tab



Applications:

- 25G Ethernet
- Data center server interconnect

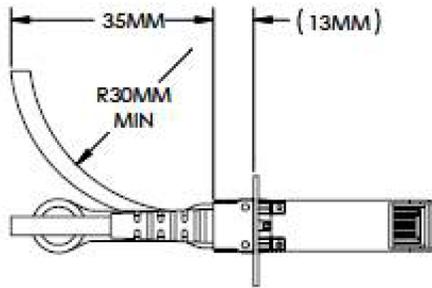
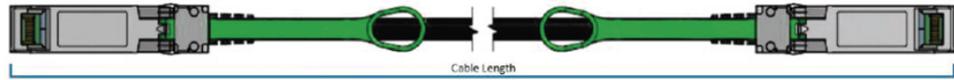
Compliance:

- SFP MSA
- IEEE 802.3by
- IEEE 802.3bj
- SFF-8402
- 80C VW1 (flame rating)
- EIA 364
- RoHS

Operating Conditions

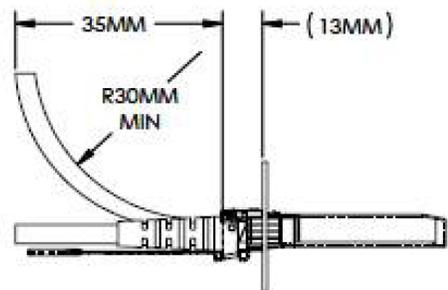
Parameter	Symbol	Min	Typ	Max	Unit	Notes
Operating Case Temperature	T _{OP}	0	-	70	degC	
Power consumption	P _W	-	-	0.1	W	
Power Supply Current	I _{CC}	-	0.2	2	mA	
Power Supply Voltage	V _{CC}	2.95	3.3	3.6	V	
Electrical Data Rate	-	25.78125			GBd	
Bit Error Ratio	BER	1x10 ⁻¹²	-	-	-	
Cable Differential Impedance	-	95	100	110	Ω	
Cable Outer Diameter	-	-	4.83	-	mm	30AWG
Cable Outer Diameter	-	-	5.97	-	mm	26AWG
Cable Bend Radius (see below)	-	-	35	-	mm	30AWG
Cable Bend Radius (see below)	-	-	35	-	mm	26AWG
Cable Length Tolerance (see below)	-	-2.5%	-	+2.5%	-	

Figure 1. Cable Length Definition



Sideways Bend Radius

Figure 2. Sideways Bend Radius



Bottom Bend Radius

Figure 3. Bottom Bend Radius

Product Ordering Information

Part Number	Description
PRE-SFP25G-CU3001M	SFP28, 25.78125Gb/s, 1m, 30AWG, Passive
PRE-SFP25G-CU3002M	SFP28, 25.78125Gb/s, 2m, 30AWG, Passive
PRE-SFP25G-CU3003M	SFP28, 25.78125Gb/s, 3m, 30AWG, Passive
PRE-SFP25G-CU2605M	SFP28, 25.78125Gb/s, 5m, 26AWG, Passive

1m, 1.5m, and 2m cables do not require FEC on the host ports; 2.5m and 3m cables require BASE-R FEC (also know as FC-FEC) on the host ports; 4m and 5m cables require RS-FEC on the host ports.