DATA SHEET

Transceivers
1G SFP Copper
CSE-301A99

Properties

- Multi-protocol support
- Data rate 10/100/1000 Mbps
- Reach up to 100m
- Rx LOS internally grounded
- RJ45 connector
- CAT7 cable
- Temp. range 0 ... 70°C
- SGMII interface



General data	
Form factor	SFP
Product image	Actual product may differ from the images shown. Colours, design, and details can vary.
Protocol	10/100/1000 Mbps Ethernet
Data rate standards	10/100/1000 BASE-T
Media type	Copper
Connector	RJ 45
Built-in FEC	No
Mechanical Standard	SFF-8431
Management Interface	SFF-8472
Electrical Interface	SGMII
Auto Negotiation	Yes
CDR	none
Operation temperature	0 °C ... 70 °C
Supply voltage typical	3.13 V ... 3.47 V
Supply Current	< 375 mA
Power consumption	< 1.2 W
Digital Diagnostic Management (DDM)	No

Absolute Maximum Ratings	
Max. supply voltage range	-0.3 V ... 4 V
Max. Storage Temperature Range	-40 °C ... 85 °C
Max. relative humidity range	5 % ... 85 %

Receiver Specifications	
Receiver LOS Link Indication	Not implemented

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Ordering Information Table		
Order Code	Compatibility code explanation	Wavelength code explanation
CSE-301A99xxxx-99	“xxxx” is an alphanumerical string, describing the compatibility. “0000” means no special coding to ensure compatibility with a special switch type.	-99: N/A

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