DATA SHEET

Transceivers
6G SFP+
CSS-753A08

Properties

- Protocol: CPRI Options 2 to 6
- Data rate 2.125...6.2 Gbps
- Reach up to 2km
- Wavelength 1310nm
- LC/PC duplex connector
- Singlemode fiber
- Temp. range -40 ... 85°C
- Link budget at least 8 dB



General data	
Form factor	SFP+
Product image	Actual product may differ from the images shown. Colours, design, and details can vary.
Protocol	1/2/4G FC, CPRI Option 2...6, OBSAI, 1G Ethernet
Data rate standards	CPRI Option 3 to 6
Media type	Singlemode
Connector	LC/PC duplex
Modulation Format	NRZ
Built-in FEC	No
CDR	none
Operation temperature	-40 °C ... 85 °C
Supply voltage typical	3.13 V ... 3.47 V
Supply Current	< 300 mA
Power consumption	1 W
Digital Diagnostic Management (DDM)	Yes
Laser hazard level	1

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 % ... 95 %

Transmitter Specifications	
Laser Type	FP
Operating Wavelength Range	1260 nm ... 1355nm
Grid	None
Average launch power per lane	-6.5 dBm ... -0.5 dBm
Extinction Ratio	> 3.5 dB

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Transmitter Specifications	
Side Mode Suppression	> 30 dB
Supported Data rate	1.0625 Gbps ... 6.25 Gbps

Receiver Specifications	
Receiver Type	PIN
Operating Wavelength Range	1260 nm ... 1620nm
Receiver Overload	> 0.5 dBm
Receiver Sensitivity	< -14.4 dBm
Bit Error Rate at Receiver	1E-12
Maximum Optical Input Power per Lane (Overload)	0.5 dBm
Receiver LOS De-Assert	< -18 dBm
Receiver LOS Assert	> -30 dBm
Receiver LOS Hysteresis	> 0.5 dB
Supported Data rate	1.0625 Gbps ... 6.25 Gbps

Ordering Information Table		
Order Code	Compatibility code explanation	Wavelength code explanation
CSS-753A08xxxx-13	“xxxx” is an alphanumerical string, describing the compatibility. “0000” means no special coding to ensure compatibility with a special switch type.	-13: 1310nm

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