

QSFP+ 40G SR4 TRANSCEIVER CQM-800A04 PARALLEL TRANSCEIVER

PRODUCT OVERVIEW

Properties

- Multi-protocol support
- Data rate 39.8 to 44.6 Gbps
- Reach up to 150m
- Wavelength 850nm
- MPO/MTP-12 adapter
- Multi Mode Fibre
- Temperature Range 0 ... 70°C
- Link budget at least 4 dB



General Data

Form Factor	QSFPplus
Data Rate Standards	40GBASE-SR4
Protocol	40G Ethernet OTU3
Media Type	MMF
Supply Current	< 200 mA
Adapter	MPO/MTP-12
Operation Temperature	0°C ... 70°C
Supply Voltage Typical	3.13 V ... 3.47 V
Power Consumption	< 1.5 W
Digital Diagnostic Management (DDM)	Built-in
Laser Hazard Level	1M

Absolute Maximum Ratings

Maximum Supply Voltage Range	-0.3 V ... 4 V
Maximum Storage Temperature Range	-40°C ... 85°C
Max. Relative Humidity Range	5 % ... 95 %



Transmitter Specifications	
Laser Type	VCSEL
Operating Wavelength Range	840 nm ... 860nm
Grid	None
Average Launch Power Per Lane	-7.6 dBm ... 0.5 dBm
Extinction Ratio	> 3 dB
Side Mode Suppression	> 30 dB
Supported Data Rate	39.8 GB/s ... 44.6 GB/s

Receiver Specifications	
Receiver Type	PIN
Operating Wavelength Range	840 nm ... 860nm
Receiver Overload	> 0.5 dBm
Receiver Sensitivity	< -9.5 dBm
LOS De-Assert	< -12 dBm
Receiver LOS Assert	> -30 dBm
Receiver LOS Hysteresis	> 0.5
Supported Data Rate	39.8 GB/s ... 44.6 GB/s

Ordering Information		
Part Code	Compatibility Code Explanation	Wavelength Code Explanation
CQM-800A04xxxx-85	"xxxx" is an alphanumeric string, describing the compatibility. "0000" means no special coding to ensure compatibility with a special switch type.	-85: 850nm