

QSFP28 100G SR4 TRANSCEIVER

QCM-900A04 PARALLEL TRANSCEIVER

PRODUCT OVERVIEW

Properties

- Protocol 100G Ethernet
- Data rate 103.125 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	QSFP28
Data Rate Standards	100GBASE-SR4
Protocol	100G Ethernet
Media Type	MMF
Supply Current	< 600 mA
Adapter	MPO/MTP-12
Operation Temperature	0°C ... 70°C
Supply Voltage Typical	3.13 V ... 3.47 V
Power Consumption	< 2 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
Maximum Relative Humidity Range	5 % ... 95 %



Transmitter Specifications

Laser Type	VCSEL
Operating Wavelength Range	840 nm ... 860nm
Grid	None
Average Launch Power Per Lane	-8.4 dBm ... 2.4 dBm
Extinction Ratio	> 2.4 dB
Side Mode Suppression	> 30 dB
Supported Data Rate	103.125 GB/s

Receiver Specifications

Receiver Type	PIN
Operating Wavelength Range	840 nm ... 860nm
Receiver Overload	> 2.4 dBm
Receiver Sensitivity	< -10.3 dBm
Supported Data Rate	103.125 GB/s

Ordering Information

Part Code	Compatibility Code Explanation	Wavelength Code Explanation
CQM-900A04xxxx-85	"xxxx" is an alphanumeric string, describing the compatibility. "0000" means no special coding to ensure compatibility with a special switch type.	-85: 850nm