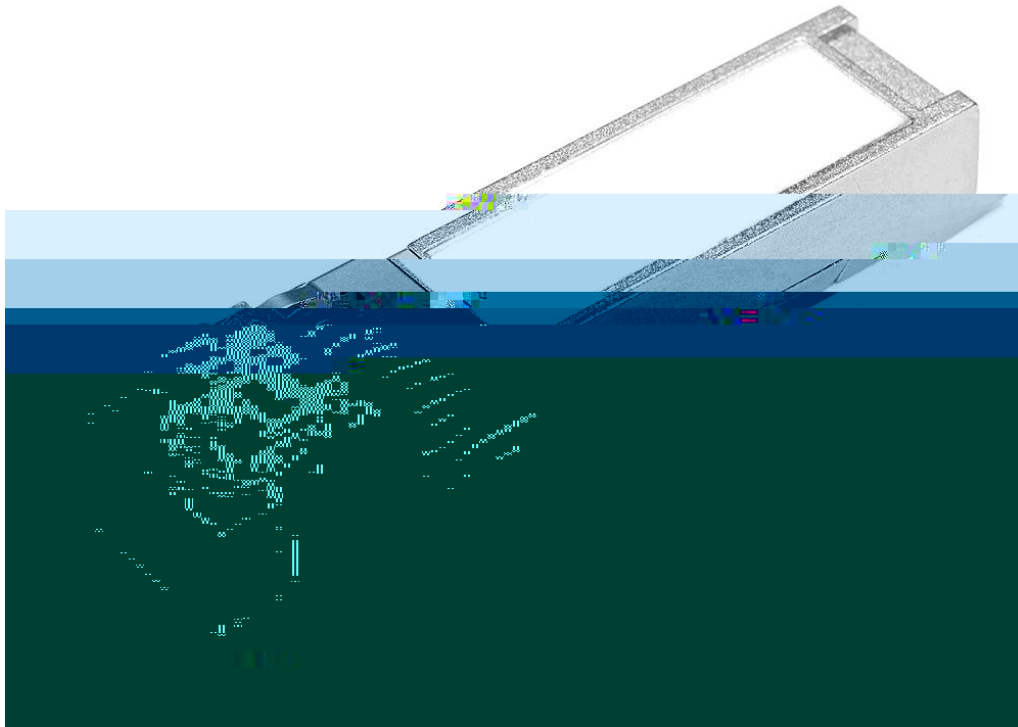


16GFC SFP+ 850nm

RTXM228-561



RTXM228-561 16GFC 850nm VCSEL
14.025Gb/s FC-PI-5 SFF-8432 SFF-8472 SFF-8431
I2C SFF-8472.

SFP+
RoHS

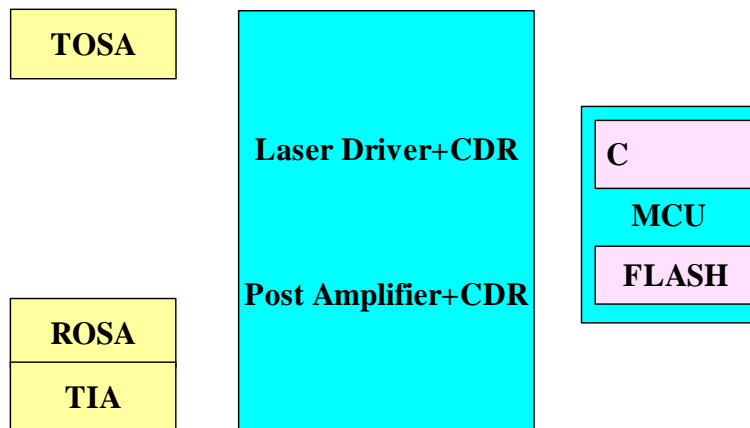
EMI
SFF-8432
14.025Gb/s

1.0
 0 ~ 70
 +3.3V
 SFF-8472

4.25/8.5/14.025Gb/s

FC-PI-5 Rev 6.00
 SFF-8431 Rev 4
 SFF-8432
 SFF-8472 Rev 11

| Specifications | | | | | | | | | | |
|----------------|------|---------------------|----------------|----------|-----|--------|---------|-------|-----|-------|
| | | | | | | | (OMA) | (OM3) | | |
| RTXM228-561 | SFP+ | 4.25~14.025 Gb/s | 850nm VCSEL | >-7.8dBm | PIN | < 89uW | 0~70 °C | 100m | DDM | 16GFC |



| | | | |
|----------|---|------|-----|
| V_{CC} | V | -0.3 | 4.0 |
|----------|---|------|-----|

| | | | | |
|------------------------|------|------|------------|----------|
| T_c | °C | 0 | 70 | |
| V_{CC} | V | 3.14 | 3.3 | |
| V_{CC} | V | 3.46 | | |
| BR | Gb/s | 4.25 | 14.025 | |
| BER | | | 10^{-12} | |
| | | | 1 | |
| 50um (OM3)(2000MHz.km) | L | m | 100 | @14.025G |
| | | | 150 | @8.5G |
| | | | 380 | @4.25G |

Note1: PRBS 2⁷-1 for 4GFC and 8GFC. PRBS 2³¹-1 for 16GFC.

| | | | | |
|--------------------|-------|------|-----|------|
| V_{CC} | V | 3.14 | 3.3 | 3.46 |
| I_{CC} | mA | | 180 | 285 |
| Transmitter | | | | |
| R_{IN} | | 80 | 100 | 120 |
| V_{IN} | mVp-p | 180 | | 850 |

Transmit Disable !

| Transmitter | | | | | |
|--------------------|-----------------|-------|------|-------|------|
| | | nm | 840 | 850 | 860 |
| | P _{av} | dBm | -7.8 | | 1 |
| @ 14.025Gb/s | | nm | | | 0.59 |
| @ 14.025 Gb/s | OMA | μW | 331 | | |
| @ 8.5 Gb/s | OMA | μW | 302 | | |
| @ 4.25 Gb/s | OMA | μW | 247 | | |
| @ 14.025Gb/s | VECP | dB | | 2.56 | 2 |
| @ 8.5Gb/s | TWDP | dB | | 4.3 | 3 |
| | R _{IN} | dB/Hz | | -128 | |
| Receiver | | | | | |
| | P _{in} | dBm | | 0 | |
| OMA 14.025 Gb/s | S | dBm | | -10.5 | 4 |
| (OMA) | | dBm | | -6.7 | 5 |
| (OMA) | | | | | |
| OMA 8.5 Gb/s | | | | | |

