



RTXM191-647~661 1.25Gb/s SFP

PIN  
EEPROM

- CWDM DFB
- 1.25Gb/s
- LC
- 3.3V
- DDM
- 0~70°C
- 80km
- RoHS

1G

- SFP MSA (INF-8074i)
- SFF-8472
- IEEE802.3z
- FC-P1 v2.0

|               |             |       |       |   |       |
|---------------|-------------|-------|-------|---|-------|
|               |             |       |       |   |       |
|               |             |       |       |   |       |
| 1             | Icc         | mA    | -     | - | 300   |
|               |             | mV    | 150   |   | 1100  |
|               |             | mV    | 300   | - | 600   |
| TX_fault /LOS | VOH         | V     | 2.0   | - | Vcc   |
|               | VOL         | V     | 0     | - | 0.8   |
| TX_disable    | VOH         | V     | 2.0   | - | Vcc   |
|               | VOL         | V     | 0     | - | 0.8   |
|               | Po          | dBm   | 0     |   | +3    |
| 2             | λc          | nm    | λ-6.5 |   | λ+6.5 |
|               | EX          | dB    | 9     |   |       |
|               | SMSR        | dB    | 30    |   |       |
| (-20dB)       | Δλ          | nm    |       |   | 1     |
| 3             | TJ          | UI    |       |   | 0.284 |
| 4             | RIN         | dB/Hz |       |   | -120  |
|               | GE          |       |       |   |       |
| /             | Trise/Tfall | ps    |       |   | 260   |
|               | -           | dB    |       |   | 2     |
|               | Poff        | dBm   |       |   | -45   |
|               | λc          | nm    | 1250  |   | 1620  |
| 5             | S           | dBm   |       |   | -24   |
|               | Pin         | dBm   | -3    |   |       |
|               |             | dBm   |       |   | -24   |
|               |             |       | -35   |   |       |

|                                                                      |  |    |     |  |   |
|----------------------------------------------------------------------|--|----|-----|--|---|
|                                                                      |  | dB | 0.5 |  | 5 |
| Note1.                                                               |  |    |     |  |   |
| Note2. CWDM 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611nm         |  |    |     |  |   |
| Note3. 1.25Gbps 7                                                    |  |    |     |  |   |
| Note4. RIN 12dB                                                      |  |    |     |  |   |
| Note5. PRBS 2 <sup>7</sup> -1 1.25Gb/s EX=10dB BER<10 <sup>-12</sup> |  |    |     |  |   |

| Part No     | Specifications |           |            |               |          |             |      |       |           |
|-------------|----------------|-----------|------------|---------------|----------|-------------|------|-------|-----------|
|             | Package        | Data rate | Laser      | Optical Power | Detector | Sensitivity | Top  | Reach | Others    |
| RTXM191-647 | SFP            | 1.25G     | 1471nm DFB | 0 ~ +3dBm     | PIN      | -24dBm      | 0~70 | 80km  | DDM, RoHS |
| RTXM191-649 | SFP            | 1.25G     | 1491nm DFB | 0 ~ +3dBm     | PIN      | -24dBm      | 0~70 | 80km  | DDM, RoHS |
| RTXM191-651 | SFP            | 1.25G     | 1511nm DFB | 0 ~ +3dBm     | PIN      | -24dBm      | 0~70 | 80km  | DDM, RoHS |
| RTXM191-653 | SFP            | 1.25G     | 1531nm DFB | 0 ~ +3dBm     | PIN      | -24dBm      | 0~70 | 80km  | DDM, RoHS |
| RTXM191-655 | SFP            | 1.25G     | 1551nm DFB | 0 ~ +3dBm     | PIN      | -24dBm      | 0~70 | 80km  | DDM, RoHS |
| RTXM191-657 | SFP            | 1.25G     | 1571nm DFB | 0 ~ +3dBm     | PIN      | -24dBm      | 0~70 | 80km  | DDM, RoHS |
| RTXM191-659 | SFP            | 1.25G     | 1591nm DFB | 0 ~ +3dBm     | PIN      | -24dBm      | 0~70 | 80km  | DDM, RoHS |
| RTXM191-661 | SFP            | 1.25G     | 1611nm DFB | 0 ~ +3dBm     | PIN      | -24dBm      | 0~70 | 80km  | DDM, RoHS |