



## 1.25G SFP transceiver with DDM function

### ***RTXM191-xxx (DDM)***

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#### Features

- *Up to 1.25Gbps data rate*
- *Duplex LC receptacle optical interface compliant*
- *Single +3.3V power supply*
- *DDM function implemented*
- *External calibration*
- *Hot-pluggable*
- *Receiver Loss of Signal Output*
- *AC coupling of PECL signals*
- *Serial ID module on MOD(0-2)*
- *International Class 1 laser safety certified*
- *Transmitter disable input*
- *Operating temperature range: -10°C ~ +70°C*
- *CWDM module Operating temperature range: 0°C ~ +70°C*
- *RoHS Compliance*

## Ordering Information

| Part. No           | Specifications |       |                |                 |     |             |          |       | Application   |              |
|--------------------|----------------|-------|----------------|-----------------|-----|-------------|----------|-------|---------------|--------------|
|                    | Pack           | Rate  | Tx             | Pout            | Rx  | S           | Top      | Reach |               | others       |
| RTXM191-550        | SFP            | 1.25G | 850nm<br>VCSEL | -9.5 ~<br>-3dBm | PIN | <<br>-18dBm | -10~70°C | 550m  | DDM,<br>Note1 | 1000Base-SX  |
| <b>RTXM191-400</b> | SFP            | 1.25G | 1310nm FP      | -9 ~<br>-3dBm   | PIN | <<br>-20dBm | -10~70°C | 15km  | DDM,<br>Note1 | 1000Base-LX  |
| RTXM191-402        | SFP            | 1.25G | 1310nm FP      | -5 ~ 0dBm       | PIN | <<br>-23dBm | -10~70°C | 30km  | DDM,<br>Note1 | 1000Base-LH  |
| RTXM191-450        | SFP            | 1.25G | 1310nm<br>DFB  | -2 ~<br>+3dBm   | PIN | <<br>-23dBm | -10~70°C | 40km  | DDM,<br>Note1 | 1000Base-LH1 |
| RTXM191-500        | SFP            | 1.25G | 1550nm<br>DFB  | -4 ~<br>+1dBm   | PIN | <<br>-20dBm | -10~70°C | 40km  | DDM,<br>Note1 | 1000Base-LH2 |
| RTXM191-502        | SFP            | 1.25G | 1550nm<br>DFB  | -2 ~<br>+3dBm   | PIN | <<br>-23dBm | -10~70°C | 80km  | DDM,<br>Note1 | 1000Base-ZX  |
| RTXM191-504        | SFP            | 1.25G | 1550nm<br>DFB  | 0 ~<br>+3dBm    | APD | <<br>-31dBm | -10~70°C | 120km | DDM,<br>Note1 | 1000Base-EX  |
| RTXM191-647        | SFP            | 1.25G | 1471nm<br>CWDM | 0 ~<br>+3dBm    | PIN | <<br>-24dBm | 0~70°C   | 80km  | DDM,<br>Note1 | CWDM         |
| RTXM191-649        | SFP            | 1.25G | 1491nm<br>CWDM | 0 ~<br>+3dBm    | PIN | <<br>-24dBm | 0~70°C   | 80km  | DDM,<br>Note1 | CWDM         |
| RTXM191-651        | SFP            | 1.25G | 1511nm<br>CWDM | 0 ~<br>+3dBm    | PIN | <<br>-24dBm | 0~70°C   | 80km  | DDM,<br>Note1 | CWDM         |
| RTXM191-653        | SFP            | 1.25G | 1531nm<br>CWDM | 0 ~<br>+3dBm    | PIN | <<br>-24dBm | 0~70°C   | 80km  | DDM,<br>Note1 | CWDM         |
| RTXM191-655        | SFP            | 1.25G | 1551nm<br>CWDM | 0 ~<br>+3dBm    | PIN | <<br>-24dBm | 0~70°C   | 80km  | DDM,<br>Note1 | CWDM         |
| RTXM191-657        | SFP            | 1.25G | 1571nm<br>CWDM | 0 ~<br>+3dBm    | PIN | <<br>-24dBm | 0~70°C   | 80km  | DDM,<br>Note1 | CWDM         |
| RTXM191-659        | SFP            | 1.25G | 1591nm<br>CWDM | 0 ~<br>+3dBm    | PIN | <<br>-24dBm | 0~70°C   | 80km  | DDM,<br>Note1 | CWDM         |
| RTXM191-661        | SFP            | 1.25G | 1611nm<br>CWDM | 0 ~<br>+3dBm    | PIN | <<br>-24dBm | 0~70°C   | 80km  | DDM,<br>Note1 | CWDM         |
| RTXM191-847        | SFP            | 1.25G | 1471nm<br>CWDM | 0 ~<br>+3dBm    | APD | <<br>-32dBm | 0~70°C   | 120km | DDM,<br>Note1 | CWDM         |
| RTXM191-849        | SFP            | 1.25G | 1491nm<br>CWDM | 0 ~<br>+3dBm    | APD | <<br>-32dBm | 0~70°C   | 120km | DDM,<br>Note1 | CWDM         |
| RTXM191-851        | SFP            | 1.25G | 1511nm<br>CWDM | 0~<br>+3dBm     | APD | <<br>-32dBm | 0~70°C   | 120km | DDM,<br>Note1 | CWDM         |
| RTXM191-853        | SFP            | 1.25G | 1531nm<br>CWDM | 0 ~<br>+3dBm    | APD | <<br>-32dBm | 0~70°C   | 120km | DDM,<br>Note1 | CWDM         |

|             |     |       |                |              |     |             |        |       |               |      |
|-------------|-----|-------|----------------|--------------|-----|-------------|--------|-------|---------------|------|
| RTXM191-855 | SFP | 1.25G | 1551nm<br>CWDM | 0 ~<br>+3dBm | APD | <<br>-32dBm | 0~70°C | 120km | DDM,<br>Note1 | CWDM |
| RTXM191-857 | SFP | 1.25G | 1571nm<br>CWDM | 0~<br>+3dBm  | APD | <<br>-32dBm | 0~70°C | 120km | DDM,<br>Note1 | CWDM |
| RTXM191-859 | SFP | 1.25G | 1591nm<br>CWDM | 0 ~<br>+3dBm | APD | <<br>-32dBm | 0~70°C | 120km | DDM,<br>Note1 | CWDM |
| RTXM191-861 | SFP | 1.25G | 1611nm<br>CWDM | 0 ~<br>+3dBm | APD | <<br>-32dBm | 0~70°C | 120km | DDM,<br>Note1 | CWDM |

**Note1:** RoHS Compliance

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