

## FEATURES

- Up to 10.3125 Gbps data rate
- Wide dynamic range receivers
- Pluggable SFP MSA footprint
- Duplex LC/UPC connector
- Metal enclosure for lower EMI
- 3.3 V power supply with low power dissipation
- Highly extended operating temperature range

The RR3600-00-PI and RR3610-00-PI Dual Channel 10G Optical Receiver Modules provide two independent receiver ports in a single package and are ideally suited for the high-speed communications required for many of CommScope's digital networking products.

Conforming to the Small Form Factor Pluggable (SFP) Multisource Agreement footprint, these state-of-the-art plug-in components are designed for applications that require rates of up to 10.3125 Gbps. The modules are supplied with a duplex LC connector.

The RR3600-00-PI operates at extended temperature ranges and dissipates less than 1.65 W. The RR3610-00-PI shares the same characteristics, but with increased input sensitivity, and dissipates less than 1.8 W.



## SPECIFICATIONS

Characteristics	Specification
<b>Physical</b>	
Dimensions	2.3" L x 0.4" H x 0.6" W (5.8 cm x 1.0 cm x 1.5 cm)
	MSA compliant SFP package
Weight	0.1 lbs (0.05 kg)
<b>Environmental</b>	
Operating Temperature	-20° to +65°C (-4° to +149°F)
Storage Temperature	-40° to +85°C (-40° to +185°F)
Humidity	5% to 95% non-condensing
<b>Optical Interface</b>	
Optical Connectors	Duplex LC/UPC
<b>Power Requirements</b>	
Input Voltage	3.3 V <sub>DC</sub> from host module
Power Consumption	1.8 W max
<b>General</b>	
Data Rates	2.125 Gbps, 4.25 Gbps, and 10.3125 Gbps
	Hot plug-in/out
<b>Optical Receiver</b>	
Optical Wavelength	1263.5 nm to 1617.5 nm
Return Loss	27 dB min
Sensitivity, min RR3600-00-PI	<b>@ 10.3125 Gbps</b> (0 km fiber, PRBS 2 <sup>31</sup> -1, BER < 10 <sup>-12</sup> ) -14 dBm 1263.5 nm – 1357.5 nm -18 dBm 1463.5 nm – 1528.8 nm, 1566.3 nm – 1617.5 nm -18 dBm 1528.8 nm – 1566.3 nm (C-Band)
RR3610-00-PI	-20 dBm 1263.5 nm – 1357.5 nm -22 dBm 1463.5 nm – 1528.8 nm, 1566.3 nm – 1617.5 nm -23 dBm 1528.8 nm – 1566.3 nm (C-Band)
Sensitivity, min RR3600-00-PI	<b>@ 4.25 Gbps</b> (0 km fiber, PRBS 2 <sup>23</sup> -1, BER < 10 <sup>-12</sup> ) -17 dBm Typical 1263.5 nm – 1357.5 nm -19 dBm 1423.5 nm – 1528.8 nm, 1566.3 nm – 1617.5 nm -19 dBm 1528.8 nm – 1566.3 nm (C-Band)
RR3610-00-PI	-20 dBm 1263.5 nm – 1357.5 nm -22 dBm 1423.5 nm – 1528.8 nm, 1566.3 nm – 1617.5 nm -23 dBm 1528.8 nm – 1566.3 nm (C-Band)
Sensitivity, min RR3600-00-PI	<b>@ 2.125 Gbps</b> (0 km fiber, PRBS 2 <sup>23</sup> -1, BER < 10 <sup>-12</sup> ) -17 dBm Typical 1263.5 nm – 1357.5 nm -19 dBm 1423.5 nm – 1528.8 nm, 1566.3 nm – 1617.5 nm -20 dBm 1528.8 nm – 1566.3 nm (C-Band)
RR3610-00-PI	-20 dBm Typical 1263.5 nm – 1357.5 nm -22 dBm 1423.5 nm – 1528.8 nm, 1566.3 nm – 1617.5 nm -23 dBm 1528.8 nm – 1566.3 nm (C-Band)
Input Power, max	<ul style="list-style-type: none"> <li>RR3600-00-PI: 0 dBm max</li> <li>RR3610-00-PI: -2 dBm max</li> </ul>
Loss of Signal Assert Level	<ul style="list-style-type: none"> <li>RR3600-00-PI: -29 dBm</li> <li>RR3610-00-PI: -33 dBm</li> </ul>

## ORDERING INFORMATION

Model Name	Description
RR3600-00-PI	Dual Channel SFP Optical Receiver Module, -18 dBm Sensitivity @ 10.3125 Gbps
RR3610-00-PI	Dual Channel SFP Optical Receiver Module, -23 dBm Sensitivity @ 10.3125 Gbps

## RELATED PRODUCTS

BP3400C-00 Headend Back Plate	DR3600N-00 Digital Receiver
DT4600N-200-00 Node Digital Transmitter	Installation Services

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
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**Note:** Specifications are subject to change without notice.

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