10 Gb/s PIN+TIA
Receiver Optical Sub-Assembly (ROSA) Optical Component

Product overview

The 10Gb/s receiver optical subassembly (ROSA) integrates a 10 GB/s high-speed low capacitance PIN photo-detector and a transimpedance amplifier (TIA) in a hermetically sealed TO can package with flexible-printed-circuit (FPC) interface. FPC provide XMD-MSA compliant interface to the PCB and package allowing an easy incorporation in product design and manufacturing. 10 Gb/s ROSA receptacle is electrically isolated (optional) from package. The XMD SM type is optimized for OC-192/STM-64 and 10GbE applications.

Features

- 1310 or 1550 nm wave length
- Up to 11,3 Gb/s data-rate capability
- - 19,5 dBm typical sensitivity
- 4kΩ typical transimpedance gain
- 100Ω differential ended impedance
- LC receptacle or pigtail version
- LC receptacle with ground isolation from package (optional)
- High RF-isolation
- Operating temperature range: -40 to +85°C
- RoHS-6 compliant
- ITU G.957 SHD

Applications

- XFP, X2, XENPAK and XPAK transceivers, SFP+
- 300-pin MSA transponders
- Short haul SHD, STM-64
- Optical equipment

Symbolic picture only – the actual pin layout may be different

Revision History

Revision Date: 2014-10-14

Major changes since last revision

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Information

For further information on technology, delivery terms and conditions and prices please contact EZconn Czech a.s, Náchodská 529, 541 01 Trutnov, Czech Republic (www.ezconn.de)

Warnings

Due to technical requirements components may contain dangerous substances. For information on the types in question please contact EZconn Czech Office.

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