

Benchtop Casing

Key Features

- Variable Driver Gain Control
- Automatic and Manual Bias Control
- Built-in Stabilized DFB laser
- Optional Built in Tunable laser
- Good performance cost ratio
- Highly Reliable and Durable

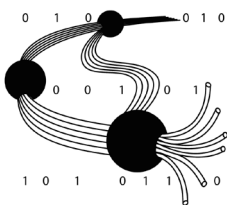


Others

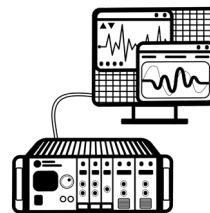
Description

The Lightwave Converter is a high performance integrated lightwave transmitter for building digital and analog optical transmission system. Having combined a high power laser, broadband Lithium Niobate external modulator and a high speed RF driver, the transmitter can be used for testing all types of optical network, from metro to long haul. In addition to standard 10G converter, higher performance systems such as tunable wavelength laser, RZ modulation or 40G bandwidth are also available.

Application



- SONET/SDH Systems
- CATV and 10G-Enet
- Remote RF Analog Link



- Laboratory Testing and Transponder Evaluation



ISO 9001 : 2015
Certificate No.: CC 5346

Our product is manufactured under a HKQAA ISO 9001 certified quality management system. The ISO 9001:2015 certification applies to the Hong Kong production site only.

Specifications

Model	Lightwave Converter
Modulation Bandwidth	5 kHz to 11 GHz
Input RF voltage	Min. 0.5 V peak to peak
RF S11 Return Loss	Min. 10 dB
Extinction	Min. 20 dB @ 50 MHz or under; Min. 13 dB @ 10GHz
Optical Input Power Handling	Max. 500 mW
Rise Time	38 ps
Fall Time	40 ps
Modulation Laser Output Power	Min. 2 mW

General Parameters

	Value
Operation Temperature	0 to 40 °C
Storage Temperature	-10 to 70 °C
Dimensions	260(W) x 330(D) x 120(H) mm
RF Data Input Connector	SMA
Control	DFB laser output power, variable gain, DC bias
Display	DFB laser output power, Gain driver voltage (peak-to-peak), DC bias voltage
Optical Connector	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Input Fiber	Panada PM fiber
Optical Output Fiber	SMF-28

Ordering Information

Product Code	Lightwave Converter
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Amonics undertakes continuous and intensive product development to ensure its product performance at the highest technical standards. As a result, the specifications in this document are subject to change without notice.

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