

RDT-1310

1310nm Direct Modulated Optical Transmitter



Overview

1310nm direct modulation optical transmitter, adopts high linearity DFB laser of famous brand in the world, builds-in perfect pre-distortion adjustment circuit and laser APC, ATC closed loop control circuit. All the operating parameters are controlled by micro-processor, the LCD screen on the front panel can display relative operating select and the fault information.

RDT-1310 series, is designed and produced by integrating the advantages of all kinds of 1310nm transmitter both home and abroad, featured with high index, multi-function, high reliability, it is suitable for high-end subscribers application.

Application

1. For short distance transmission (about 30km) in CATV network

Features

2. Dual Module RF drive, high efficiency laser pre-distortion adjustment.
3. Full-automatically optical Modulation Intensity (OMI) control, AGC&MGC.
Under AGC select, input range is 78dBuV~88dBuV, system index is optimum.
Under MGC select, input range can be adjusted 75dBuV~90dBuV by the ATT on front panel.
4. Front panel has 20 grades OMI select display (Modulation Depth).
Under AGC select, within RF range, OMI is always at NOM select.
Under MGC select, OMI can be at NOM select by adjusting ATT.
5. Dual power supply inside backup. Full-automatically switch.
One is working, the other as cool backup (suggested).
Both are working at the same time, one as hot backup. If one is damaged, switch to the other full-automatically. Switch time \leq 10us.

Storage temp.	(°C)	-40~85
Operating relative humidity	(%)	5~95
Dimension	mm	483*356*44

Ordering Information

Model number	Output power (mW)	Output power (dBm)
RDT-1304	≥4	6.0
RDT-1306	≥6	7.8
RDT-1308	≥8	9.0
RDT-1310	≥10	10.0
RDT-1312	≥12	10.8
RDT-1314	≥14	11.5
RDT-1316	≥16	12.0
RDT-1318	≥18	12.3
RDT-1320	≥20	12.8
RDT-1322	≥22	13.4
RDT-1324	≥24	13.8
RDT-1325	≥25	14.0
RDT-1326	≥26	14.1
RDT-1327	≥27	14.3
RDT-1328	≥28	14.5
RDT-1329	≥29	14.6
RDT-1330	≥30	14.8
RDT-1331	≥31	14.9
RDT-1332	≥32	15.1