



DW-OT31DM

1310nm Direct modulation optical transmitter (Power adjustable)



Overview

DW-OT31DM is a common type of power adjustable optical transmitter, without the AGC function, high linearity, low chirp DFB laser as the light source, the built-in predistortion compensation and closed loop AGC, APC, ATC control, greatly improve the system of indicators, the various working parameters by the micro processing control, applicable to high-end users.

Features

- ◆ Imported module RF driver.
- ◆ This machine is equipped with a microprocessor software, has a laser monitoring, digital display, alarm and other functions.
- ◆ The front panel of the high brightness LCD display, observe the machine parameters.
- ◆ Can be built-in double power supply main standby switching, automatic.
- ◆ Automatic chassis temperature control, ensure the laser operating life.



Technical parameters

Performance		Index
Optic Port	Working wavelength (nm)	1310nm±10 (Optional 1550nm)
	Side mode suppression ratio (dB)	≥45 (SMSR)
	Extinction ratio (dB)	≥20
	Noise equivalent intensity (dB/Hz)	≤-160
	Output power (wm)	2-24
	Reflection loss (dB)	≥55
	Optical fiber connector	FC/APC (Optional SC / APC)
RF Port	Working bandwidth (MHz)	47~862
	Input level (dBμV)	78~82
	Flatness (dB)	≤±0.75 (47~862MHz)
	Reflection loss (dB)	>16
	Input impedance (Ω)	75
Link	Test channel	PAL-D/60CH、 NTSC/80CH
	Radio detection (dB)	0±1
	CNR (dB)	≥52 (-1dBmReceive)
	CTB (dB)	≤-67
	CSO (dB)	≤-62
General Information	Network management interface	RJ45(SNMP)、 RS232 Or RS485
	Power supply (V)	90~265VAC 、 Optional -48VDC (30~60VDC)
	Power waste (W)	≤50 (Single supply operation)
	Working temperature (°C)	-5~65
	Storage temperature (°C)	-40~85 (Automatic chassis temperature control)
	Relative humidity (%)	5~95
	Box size (")	19(W)×14.5(D)×1.75(H)