

1310nm Direct Modulation Optical Transmitter INT-8600AF Series



Description

Idealphotonics Compared with INT-8600AS, INT-8600AF has two power supplies and fans as backup to increase its reliability. It is suitable for the areas that have instable voltage, heavy thunder and high temperature.

Feature

- Dual power supply backup, switch automatically. Can work with single power supply.
- When casing temperature $\geq 45\text{ }^{\circ}\text{C}$, two fans at the back panel will open

automatically to make compulsive cooling.

When casing temperature $\leq 35\text{ }^{\circ}\text{C}$, the fans will stop automatically to ensure its life-span.

Specification

Performance		Index	Supplement
Optic feature	Laser wavelength($\Delta\lambda$)	(nm)	1310 \pm 10
	Output power	(mW)	4~24
	Return loss	(dB)	≥ 60
	optical fiber connector		FC/APC
R	Work bandwidth	(MHz)	45-862
	Flatness	(dB)	$\leq \pm 0.75$

	Return loss	(dB)	>16	45~750MHz
	Input impedance	(Ω)	75	
	RF interface		F type	Optional imperial
Link feature	Transmit channel		PAL-D/60CH	NTSC/80CH
	CNR	(dB)	≥52	10Km optical fiber, 0dBm
	CTB	(dB)	≤-70	
	CSO	(dB)	≤-63	
General feature	Network management interface		RJ45, RS232	Support I.E. & SNMP
	Power supply	(V)	90~265VAC	-48VDC optional (30~60VDC)
	Power Consume	(W)	≤50	Single power works
	Work temp.	(°C)	-5~65	Machine temp. cINTrol automatically
	Storage temp.	(°C)	-40~85	
	Operating relative humidity	(%)	5~95	
	Size	(")	19×14.2×1.75	(W)x(D)x(H)

Product series

Model	Power (mW)	Bandwidth (MHz)	59 route PAL-D system index (dB)			
			Link Loss	CNR2	CTB	CSO
INT-8602AF	≥2	47~860	5	≥52	≤-70	≤-63
INT-8604AF	≥4	47~860	7	≥52	≤-70	≤-63
INT-8606AF	≥6	47~860	9	≥52	≤-70	≤-63
INT-8608AF	≥8	47~860	11	≥52	≤-70	≤-63
INT-8610AF	≥10	47~860	11.5	≥52	≤-70	≤-63

INT-8612AF	≥12	47~860	12	≥52	≤-70	≤-63
INT-8614AF	≥14	47~860	12.5	≥52	≤-70	≤-63
INT-8616AF	≥16	47~860	13	≥52	≤-70	≤-63
INT-8618AF	≥18	47~860	13.5	≥52	≤-70	≤-63
INT-8620AF	≥20	47~860	14	≥52	≤-70	≤-63
INT-8622AF	≥22	47~860	14.5	≥52	≤-70	≤-63
INT-8624AF	≥24	47~860	15	≥52	≤-70	≤-63