

Optical Transmitter

FOTUTP - XX mw

Performance Characteristic

- + Use the international famous brand high performance DFB laser with narrow spectrum, and high output power.
- + RF drive adopting RF power digital automatic process technique, can according to level of input RF signal and number of channels, automatically processing drive level power, making the C/N, CTB and CSO always in best worth, insure product function; and be steady of output Level.
- + Advance multi-frequency RF per-distortion technique With arsenide kalium component availably improver CTB and CSO, the most important parameter of CATV, and Heightens C/N at the same time.
- + Built-in perfect microprocessor automatic monitor circuit can real-time accurately monitor optical output power and temperature of the laser insure stable optical output power, and prolongs work life of the laser availably.
- + Built-in blue VFD monitor on front panel can accurately display the equipment's each work status parameter, and can display error message when the equipment breakes down, make maintenance and fix more convenient.
- + 19" 1U height standard rack mount, equipped standard RS485 and RS232 network port, can expediently realizes monitor through network.



Front



Back

Performance Parameters

Item	Unit	Technique Parameter									
Optical Power	mw	4	6	8	10	12	14	16	18	20	22
Optical Link Path Loss	dB	7	9	10	11	11.8	12.5	13	13.6	14	14.4
Optical Wave Length	nm	1310 ±20									
Type of Laser		DFD									
Optical Modulation Mode		Direct Optical Intension Modulation									
Optical Connector Type		FC/APC, SC/APC									
Frequency Range	MHz	47~750 (862)									
RF Input Level	dBuV	72~88									
Flatness In Band	dB	± 0.75									
RF Input Impedance	Ω	75									
Input Reflection Loss	dB	≥ 16 (47~550) MHz ; ≥ 14 [550~750 (862)] MHz									
C/CTB	dB	≥ 67									
C/CSO	dB	≥ 61									
C/N	dB	≥ 51									
AGC Control Range	dB	± 8									
MGC Control Range	dB	± 8									
Power Voltage	V	~AC 220V ± 10% (50 Hz)									
Power Consumption	W	30									
Operation Temperature	°C	0~45									
Store Temperature	°C	-20~65									
Relative Humidity	%	Max 95% no condensation									
Dimension	mm	483*381*44									