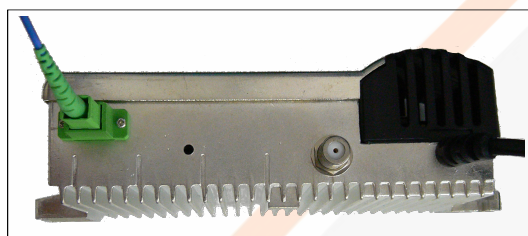


TX85 Optical Transmitter MATV - SMATV

RF Over Fibre



The TX85 optical transmitter is the highest level of transmitter in the WALLfit® range. Its considerable +8dBm output power, in combination with the WALLfit® socket, can create a TV - SAT fiber optic network for up to 128 users. More users? Just add more TX85.

Offering high linearity over the entire band, and very high energy efficiency, thanks to the "switching mode" power supply system, the TX85 is an extremely important element for transferring analogue or digital TV and SAT signals, while maintaining their quality, minimizing interference and intermodulation.

The TX85 optical transmitter is perfect for use in closed environments or areas with very little ventilation. The extensive use of "switched" power systems, with conversion efficiency in the order of 98%, reduces both internal heat and total energy consumed.

WALLfit® TX85 transmitter complies with all European standards in terms of safety and CO2 emissions.

SPECIFICATIONS

Optical & RF Tech Data	Typical	Unit
Laser type	Direct modulation DFB	
Optical Output Connector	SC/APC	
Optical Output Wavelength Band	1550 +/-4	nm
Frequency	47-2500	MHz
Nominal Optical Output Power	8,5	dbm
RIN	-145 max	DB/Hz
Power Supply	12	V
Size	100x92x32	mm
Weight	250	gr
RF Input Connector	75 (F type)	Ohm
	77-90	dBuV

RF Dynamics	Typical	Unit
RF Band Frequency	47-2500	MHz
Band Flatness	+/- 3	Db
Link Gain between TX85Mini and Wallfit Optical Socket	14-2 Aopt	db
Optical Budget between TX85Mini and Wallfit Optical Socket	23 (18 borderline)	db

Recommended input signal levels with the SMATV optical transmitter mod. TX85:

- Digital signal input (DVB-T / T2) TV: 80 to 85 dBuV
- Digital signal input (DVBS / S2) SAT: 75 to 80 dBuV SAT



WALLfit® is a registered trademark



WALLfit® - Proudly made in Italy