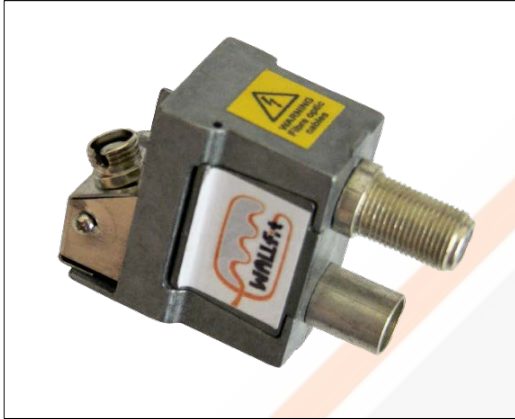


STANDARD TV/SAT SOCKET



The WALLfit-Socket® "Optical Socket" is the final, and most important part of our fiber optic TV-SAT distribution system, and represents the natural evolution of traditional coaxial copper cables. It's high linearity, low attenuation and outstanding electromagnetic interference shielding characteristics make it an extremely important device when designing digital and analog TV-SAT systems.

The optical input receptacle of the WALLfit-Socket® is a single mode FC/APC type connector making it compatible with the best optical systems available in the market. When used with our Fast-fit®, innovative and exclusive FC connector, installation becomes quick and cost effective. The Fast-fit® connector offers a "splicer free" method of connectorisation, saving both time and money. The entire installation becomes simpler and more reliable.

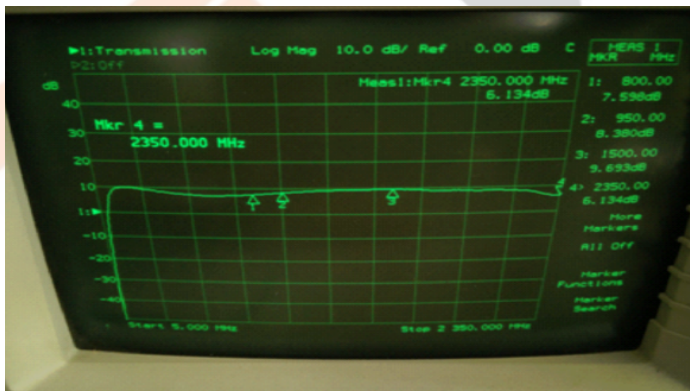
The Energy Saving Properties (low power consumption) of the **WALLfit-Socket®** make it perfect for an environmentally friendly "green" TV-SAT distribution system. Due to these properties, when connected to our TX85 optical transmitter, it is ideal to connect up to 64 sockets, located up to hundreds of meters apart. By adding our Optical Amplifier it is possible to increase this to 500 sockets.

The WALLfit-Socket® is universal and can be fitted into the electrical outlets of the most well known manufacturers in the world, simply by using a "quick fit" adapter plate.

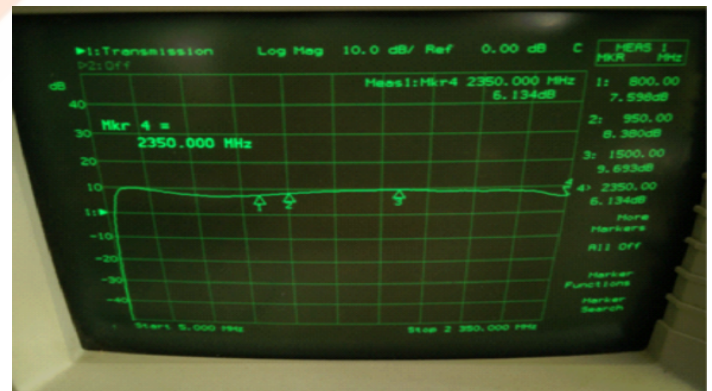
The low power consumption enables the socket to be powered by any decoder SAT.



Frequency response SAT



Frequency response TV



WALLfit® is a registered trademark



WALLfit® - Proudly made in Italy

OPTICAL & RF DATA

	Minimum	Typical	Unit
Optical receiver type	PIN Photodiode		
Optical input connector	FC or FC/APC single mode receptacle (both pigtails can be adopted)		
Optical input wavelength		1310-1550	Nm
Freq bandwidth		47-2400	Mhz
Nominal optical input power	-12	-5	dbm
Damage input level		+2	dbm
RF Bandwidth	47-2400		Mhz
Demixing RF IEC Connector TV aerial Band F connector SAT band	47-800 950-240		Mhz
RF Flatness	+/- 1,5		db
Supply voltage from SAT connector	18	12	V
Supply current	55	60	mA
Aerial TV Coax Connector type SAT-TV Coax Connector type	IEC F		
Size – Weight	22x56x35	100	mm/g

RECOMMENDED LEVELS

Recommended feeding levels with Optical Transmitter MATV / SMATV mod. TX85:

digital signal input (DVB-T / T2) TV: from 80 to 90 dBuV

digital signal input (DVB-S / S2) SAT: from 75 to 85 dBuV

Wallfit Socket is compatible with any optical transmitter available in today's market.

Satellite Input Signal at optical transmitter Wallfit TX85 placed at the headend 30 TP SAT 47– 2400 Mhz 80-85 dBuV

	Min.	Typical	Unit
Output level SAT from Wallfit socket after 5db optical atten.	75	80	dBuV
Output level SAT from Wallfit socket after 10db optical atten.	70	75	dBuV
Output level SAT from Wallfit socket after 15db optical atten.	65	70	dBuV