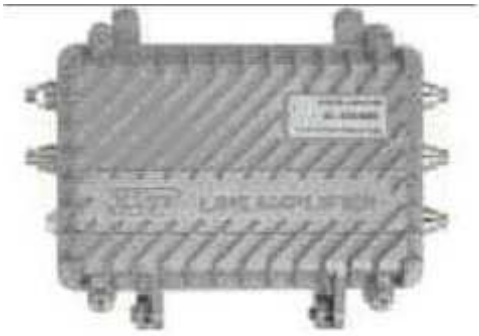
OCEAN POWER- F7530D3



Specifications:

Suitable for trunk amplification and extending amplification in single-way CATV system;
Using plug-in module (made by PHILIPS or MOTOROLA) design to make upgrade easy;
A port chief output and two ports tap output;
Manual gain control and slope control;
Provide two power supply method, centralized (AC30-60V) or individual (AC220V);
Waterproof and dustproof design, fast heat dissipation and fine screening characteristic;
Efficient R-transformer power supply;
Individual input port AC60V power supply<D3 Type>;
Two degrees slope control or plug-in temperature compensator for selection<D3 Type>;
Dimension (mm): 275 x 205 x 85

Parameter:

Parameter	F75530D3	**F7530D3**
Bandwidth(MHz)	45-550	45-750
Nominal Gain Of Chief Output(dB)	30	
Nominal Gain Of Tap Port(dB)	20	
Flatness In Band(dB)	±0.5	±0.75
Nominal Input Level(dBμV)	72	
Nominal Level Of Chief Output(dBμV)	102	
Nominal Level Of Tap Output(dBμV)	92	
Gain Adjustment Range(dB)	0-18	
Slope Adjustment Range(dB)	0-18	
C/CSO(dB)	-63	-62
C/CTB(dB)	-66	-65
Noise Figure (dB)	<8.5	
Return Loss(dB)	>16	>16(45-550MHz) >14(550-750MHz)
Input,Output Impedance(ohm)	75	
Gain Drift(dB)	±1(-25-+55°C)	
Supply Voltage (V)	AC30-60 or AC220±10%	
hunderstroke Immunity(kV)	5(10-700μs)	

The brief introduction of D2, D3# series trunk amplifier:

. Specifications:

This type of series trunk amplifier is suitable for amplification and extending amplification in single-way CATV system. Using plug-in power module(made by PHILIPS or China) design and R-transformer in high efficiency. It is in good characteristics and reliability, high power output, low noise figure and fast heat-sinking characteristics, etc.

Parameter:

Type	F□□22D2	F□□26D2	F□□30D2	F□□30D3
Bandwidth (MHz)	45-550/750			
Nominal Gain of Chief Output (dB)	22	26	30	30
Nominal Gain of Tap Output (dB)	-----	-----	-----	20
Nominal Input Level (dBμV)	72			
Nominal Level of Chief Output (dBμV)	94	98	102	102
Nominal Level of Tap Output (dBμV)	-----	-----	-----	92
Flatness in Band (dB)	±0.5(45-550MHz) ±0.75(45-750MHz)			
Gain adjustment Range (dB)	0-18(Continuous adjustable type) or 0,2,4,6,8,10,12(Fixed type)			
Plug-in Equalizer□dB□	3□5□7□9□11□13□15□17□19□ 21 or specified by user			
Slope adjustment Range (dB)	0-18			
Return Loss (dB)	≥16(45-550MHz) ≥14(45-750MHz)			
Noise figure (dB)	≤8.5			
Power Supply□V□	AC 30- 60 or AC 220±10%			

Purchase noting:

□.Provide two selections of power supply method, centralized 60V or separated 220V;

□.□□ means that 55 or 75, mention 550MHz or 750MHz.

□.There is only one **RF OUT** port in D2# amplifier. There are one **RF OUT** port and two **TAP OUT** ports(**BR1,BR2**) in D3 # amplifier.

. Using notice:

1. Application of the amplifier in 60V centralized power supply:

□. When using the infeed back electric power, the user must select the coaxial-cable with fine thick screening body, in order to fall down the power loss across the cable.

□. According to the parameter of the products, user can confirm the progressions of the series-wound amplifiers.

□. The power suppliers must have the fine screening and isolated characteristics, in order to prevent some kinds of interferential signal from the power supply system.

□. Forbid debugging until the system is grounded firmly.

□. All the connect point in the feedback current circuit of the alternating current power must be firm and reliable in order to prevent the damage of connection point.

□. If the input alternating voltage level of any stage amplification cannot meet the requirement of the system, you may dial the switch **K6** to select the corresponding (30V, 45V, 52V, 60V) place, until you get the correct parameter.

2. Application of the amplifier in 220V separate power supply :

□. Before using the amplifier, please test the alternating voltage and make it accord with the AC220V±10% level.

□. Before electrifying, the user must test the isolate resistance between input alternating current loop and the crust body, in order to prevent short circuit and creepage.

□. Carefully to confirm the firm earthing.

3. The switch notes:

The switch **K1** can be used to supply or cut off the power of **RF IN** port;

The switch **K2** can be used to supply or cut off the AC60V power of this amplifier;

The switch **K3** can be used to supply or cut off the power of **RF OUT** port;

The switch **K4** can be used to supply or cut off the power of **BR1** port;

The switch **K5** can be used to supply or cut off the power of **BR2** port;

4. The step of debugging:

□. Open the crust body and then you can see the circuit structure: (the figure of the D3# amplifier)

□. Fix the amplifier to the correct place, then you can electrify the amplifier to have a test. If something wrong happen, cut off the power immediately and find the mistake.

□. Testing the input voltage level with field strength meter, notice that the parameter must meet the design requirement.

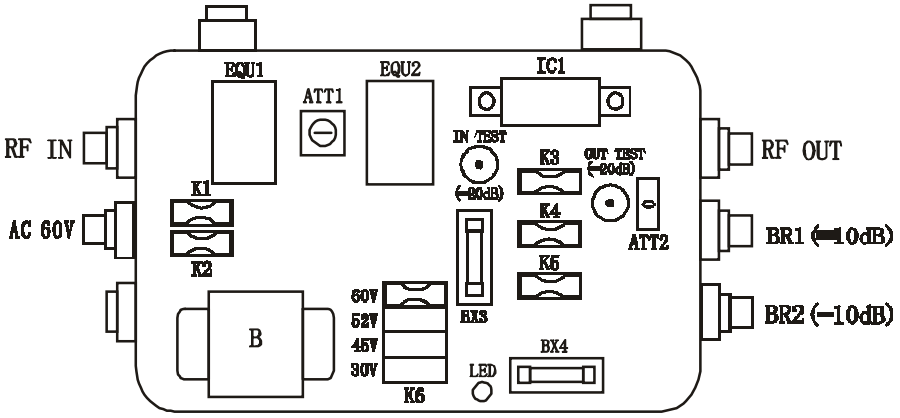
□. The output voltage level debugging: before debugging, insert the corresponding **EQU**(plug-in equalizer), then adjust manually the **ATT1**(manual gain control) and **EQU2**(manual slope control), until making the output voltage level and slope meet the project design requirement.

. Notes:

□. Before debugging, the testing instrument must be equipped with isolated equipment to prevent the damage of instrument.

□. After debugging, you must fix the screw tightly, prevent to filter water or dust, and place the amplifier escape the powerful magnetic field and powerful interferential field.

AC 60V POWER SUPPLY



AC 220V POWER SUPPLY