

2400 CATV Amplifier

Features

- ◇ PHILIPS Push-Pull and Power Doubler module
- ◇ High gain, high output level and low non-linearity
- ◇ Plug-in fixed or variable attenuator and equalizer (0~20dB)
- ◇ Plug-in fixed or variable inter-stage attenuator and equalizer (0~20dB)
- ◇ 2 outputs with plug-in splitter or 1-tap
- ◇ Different frequency split is specified by clients
- ◇ Local and remote powering available
- ◇ Weatherproof and RF-screened die-cast housing



Description

2400 CATV amplifier with AGC two-way output bi-directional trunk amplifier, suitable for the signal amplification of coaxial trunk in HFC system. It has the feature of high gain, high output level, and excellent CTB, CSO. Its return loss is 16 dB and the frequency of its four bi-directional filters is optional. Besides, it also has AGC/MGC function. The default configuration is two-way output, and can become three-way output by inserting distributor or fixed coupler.

Parameter

Item	Specification
Frequency range forward	87-862 MHz
Frequency range return	5-65 MHz
Gain forward path	34 ± 1.0 dB
Frequency response	± 0.75 dB
Gain adjustment	0~20 dB
Slope adjustment	0~20 dB
Output level	123 (DIN45004B) dBuV
Noise figure	< 7 dB
C/CTB	> 61 dB
C/CSO	> 60 dB
Input test point	-20±2.0 dB
Output test point	-30±2.0 dB
Return loss	> 14 dB
Impedance	75Ω



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Connectors	5/8" UNEF to female F connector, imperial thread
Power supply	230V 50Hz or 60V AC
Power consumption	30VA
Operating temperature	-20~+50 °C
Dimension	315x215x112mm
Weight	3.7kg

Applications

- ◇ HFC network