



Product Summary

WB1100KL outdoor trunk bi-directional is mainly used for bi-directional trunk transmission of CATV television image signal , digital TV signal, telephone voice signal and data (or compressed data) signal. Advanced and mature circuit, scientific and reasonable process structure and high quality materials, ensure the excellent performance. It is the first choice product to build the large or middle-sized CATV bi-directional transmission network.

Performance Characteristics

- 1GHz bandwidth design
- Forward path: pre-stage adopts GaAs MMIC, output stage adopts the latest imported high index power doubler module, achieve high output level, low distortion and high signal to noise ratio.
- It is more convenient to debug because of plug-in duplex filter, equalizer, attenuator, output tap and the scientific and reasonable on-line detection ports.
- The equipment can long time continuous work steadily under outdoor bad environmental condition. Because of the aluminum waterproof housing, high reliability switching power supply and strict lightning protection system.

Specification

Item	Unit	Technical Parameters	
Forward Transmission			
Frequency Range	MHz	87/54/45~862/1003 (optional)	
Rated Gain (@FZ110)	dB	30	38
Rated Input Level	dBuV	72	70
Rated Output Level	dBuV	102	108 (EQ6dB)
Flatness of Band	dB	±0.75	±0.75
Noise Figure	dB	≤10	≤10
Return Loss	dB	≥16	
C/CTB	dB	≥70	≥66
C/CSO	dB	≥67	≥64
Group delay	ns	≤10 (112.25 MHz/116.68 MHz)	
Signal to hum ratio	%	<2	
Gain stability	dB	-1.0~+1.0	
Return Path			
Frequency Range	MHz	5~65/42/30 (or specified by the customer)	
Rated Gain (@FZ110)	dB	24 (Different modules, Different gain, Modules can be specified by the user)	
Maximum Output Level	dBuV	110	
Flatness of Band	dB	≤±0.75	
Noise Figure	dB	≤8	
Return Loss	dB	≥16	
Signal to hum ratio	%	<2	
General Performance			
Characteristic Impedance	Ω	75	
Power Supply Voltage	V	A: AC(135-250)V; B:AC(35-90)V	
Impulse withstand voltage	kV	> 5 (10/700us)	
Power consumption	W	≤20	
Dimension	mm	270 x 215 x 118	