

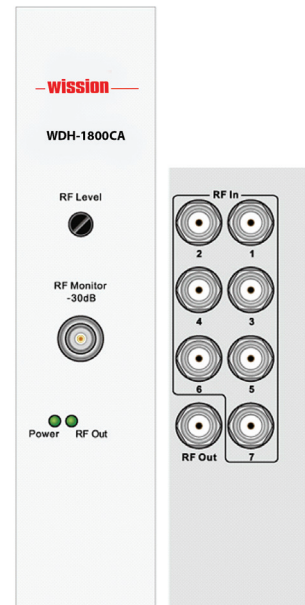
# WDH-1800CA

## High Linear Combiner and Amplifier Module

The WDH-1800CA is a high linear combiner and amplifier module which can combine 7 RF inputs into 1 RF output and amplify output level up to 110dB $\mu$ V per channel. Modular design make it very easy for installation and maintenance. User can adjust gain manually and monitor output RF signal via -30dB monitor port. WDH-1800CA is suitable for both analog and digital system.

### Main Feature

- Manual adjusted gain amplifier
- Support -30dB monitor port
- Support 7 RF input into 1 RF output
- Modularized design for easy installation and maintenance



### Specification

Connector Type	7 x F type female 75 $\Omega$ for Input, 1 x F type female 75 $\Omega$ for output, 1 x F type female 75 $\Omega$ for -30dB monitor	XMOD	112CH analog, flat, Vo=44dBmV TYP: -58dBc Max.: -56dBc
Frequency Range	48~860MHz	CSO	112CH analog, flat, Vo=44dBmV TYP: -62dBc Max.: -60dBc
Input Level	100dB $\mu$ V(per channel)	Noise factor	MAX: 6dB
Output Level	110dB $\mu$ V(per channel)	Passband Flatness	MIN: 0.5 dB MAX: 2.5 dB
Input Return Loss	$\geq$ 7dB	Isolation between Input Ports	TYP: 20dB MIN: 16.5dB
Output Return Loss	$\geq$ 12dB	Isolation between Input and Output Ports	MIN: 27dB
CTB	112CH analog, flat, Vo=44dBmV TYP: -62dBc Max.: -60dBc		

### Block Diagram

