

## DMM-1701CA High Linear Combiner and Amplifier module

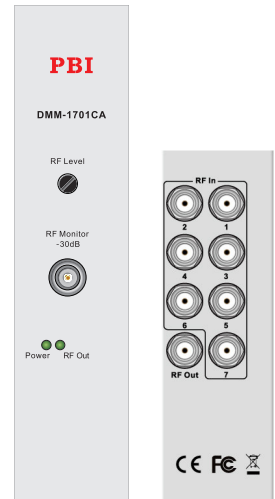
The DMM-1701CA is a high linear combiner and amplifier module which can combine 7 RF inputs into 1 RF output and amplify output level up to 110dB $\mu$ V per channel. Modular design make it very easy for installation and maintenance. User can adjust gain manually and monitor output RF signal via -30dB monitor port. DMM-1701CA 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	
Frequency Range	48 ~ 860MHz	
Input Level	100dB $\mu$ V(per channel)	
Output Level	110dB $\mu$ V(per channel)	
Input Return Loss	$\geq$ 7dB	
Output Return Loss	$\geq$ 12dB	
CTB	112CH analog, flat, Vo=44dBmV TYP: -62dBc Max.: -60dBc	
XMOD	112CH analog, flat, Vo=44dBmV TYP: -58dBc Max.: -56dBc	
CSO	112CH analog, flat, Vo=44dBmV TYP: -62dBc Max.: -60dBc	
Noise factor	MAX: 6dB	
Passband Flatness	MIN: 0.5 dB	MAX: 2.5 dB
Isolation between Input Ports	TYP: 20dB	MIN: 16.5dB
Isolation between Input and Output Ports	MIN: 27dB	



### Block Diagram

