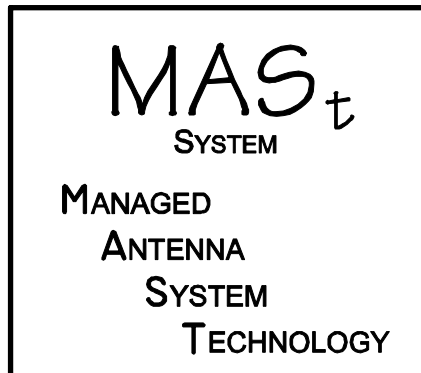




**Audio Specialties Group  
Products Division**

**MAS-520-P  
Cascade Master Combiner  
Technical Specifications**



Rev-0

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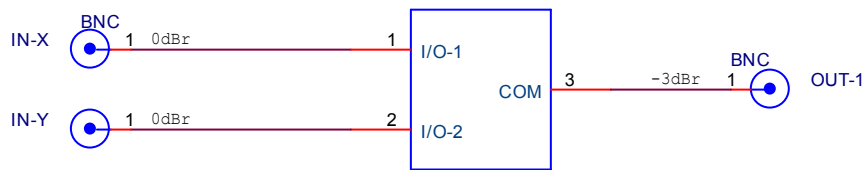
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## SECTION 1 INTRODUCTION

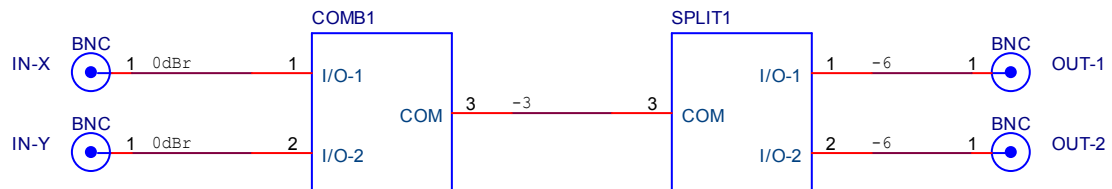
The MAS-520 Cascade Master Combiner is a 1-HP (horizontal pitch) module that is compatible with the ASG MAS-Rack Series 500 system. It is a passive device used for combining or splitting receive-level RF signals in the 470-700MHz band.

## SECTION 2 FEATURES

The basic form is a 2x1 receive-side combiner with no filtering or gain. It is used for combining the outputs of two active/filtered pre-combiners in the MAS-500 series products.



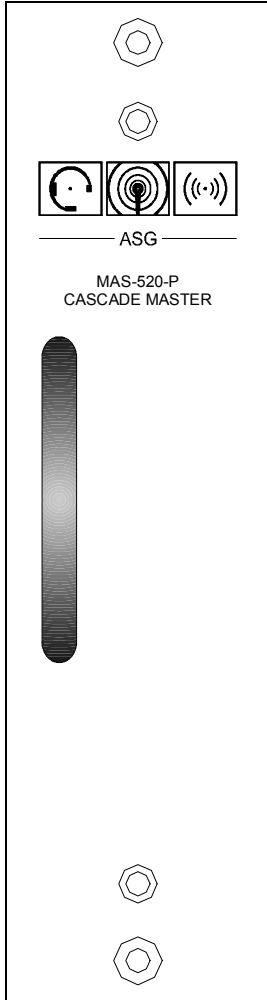
An optional integrated 1x2 splitter is available for providing the combined signals to two outputs.



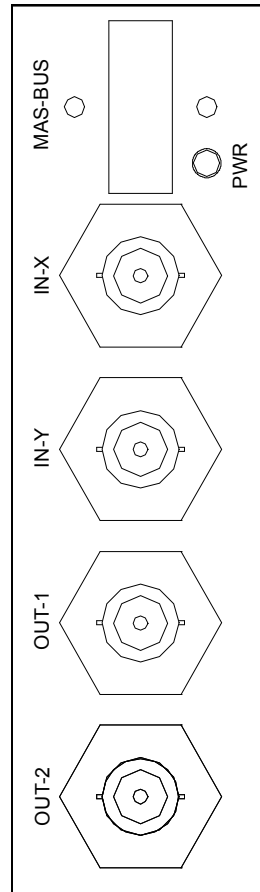
## SECTION 3 OPERATIONS

### 3.2 PANEL LAYOUTS

#### 3.2.1 Front Panel Layout



#### 3.2.2 Rear Panel Layout



Later versions use the 5-BNC Model rear-panel layout.

## SECTION 4 SPECIFICATIONS

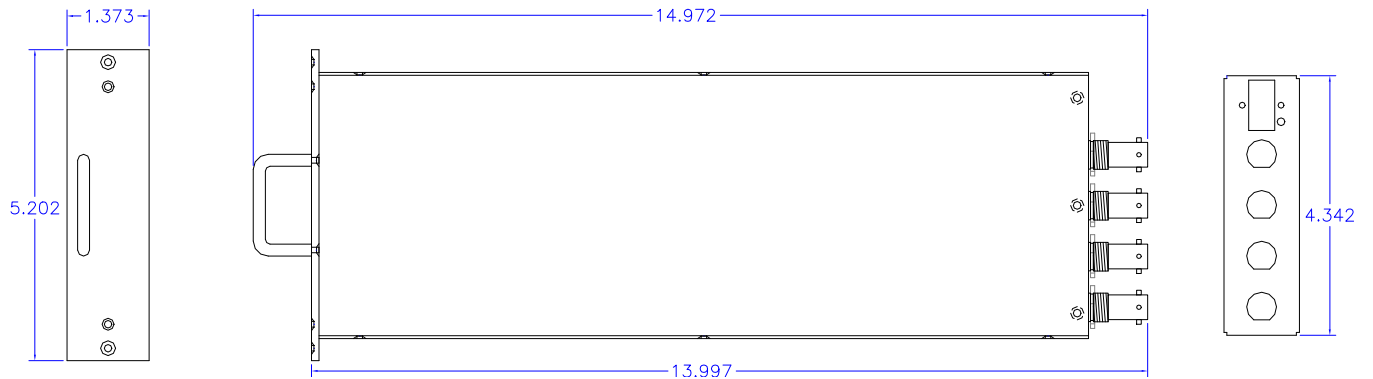
### 4.1 Electrical Specifications

RF Bandwidth :	Specific to model design
Maximum RF Input level:	+27 (.5W)
Output Level:	No greater than 1.5dBm below theoretical values per internal topology.

### 4.2 Operational Conditions

Temperature -20 Degrees Celsius to 70 Degrees Celsius

### 4.3 Mechanical Parameters



Specifications subject to change without notice.

Measured Performance (MAS-520)

Serial # \_\_\_\_\_

Test Parameters

Average Loss across 470-700MHz

Input #1 \_\_\_\_\_

Input #2 \_\_\_\_\_