



AC1686 Active Combiner

The Drake AC1686 Active Combiner is a high-quality headend combiner capable of combining up to 16 audio/video modulators and/or channel processors on to a single coaxial cable. Some of the outstanding features include:

- 16 RF signal Inputs.
- Front panel monitor output.
- Standard 19" rack mount panel, 1.75" high.
- Built in low noise figure, low distortion GaAs output amplifier for linear signal output.



AC1686 Technical Specifications	
Frequency Range:	54-860 MHz
Gain (any input to output):	3 dB typical, 0 dB minimum, 54-550 MHz 2 dB typical, -1 dB minimum, 550-860 MHz.
Input Adjustable Attenuator:	Front panel setting, 0 to -15 dB
Input Port-Port Isolation:	30 dB minimum 54-550 MHz, 25 dB minimum 550-860 MHz.
Maximum Input Level:	+60 dBmV (input attenuator set to limit output level to rated maximum)
Output Return Loss:	10 dB, typical
Impedance:	75 Ohms
Monitor Output:	-20 dB below output, ± 2 dB
Operating Temperature:	0 degrees C to + 50 degrees C ambient
Composite triple Beat distortion:	-60 dBc, 16 channels at maximum output level
Cross Modulation Distortion:	-60 dBc, 16 channels at maximum output level
Maximum Output Level:	+48 dBmV each video carrier with 16 equal input NTSC signals.
Power Requirements:	14 VAC, 700 mA, supplied by included AC adapter.
AC Adapter Power Requirements:	115 VAC $\pm 10\%$, 60 Hz
Size:	19" (483 mm) W x 1.75" (44.5 mm) H x 4.0" (102 mm) D
Weight:	4 lbs. (1.8 Kg.)

Specifications, price, and availability are subject to change without notice or obligation.