BLONDER TONGUE LABORATORIES, INC.

MICM-45D SERIES

MICRO CHANNEL MODULATOR

CATV PRODUCTS

MICM series of products are fixed-channel analog audio/video modulators available in the following models:

MICM-45D: Is available in NTSC channels 2-79 and 95-99 (54-550 MHz). This 5th generation of the MICM series, equipped with the CALMTones feature, utilizes an Audio AGC (Automatic Gain Control) solution that eliminates variations in loudness level that may be present among various program sources.

MICM-45DS: Is the same as MICM-45D but with stereo audio output.

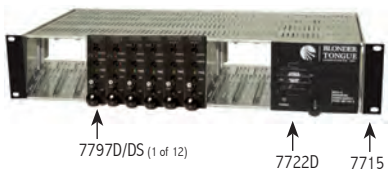
MICM-45C/S: Is available in channels 80 - 94, 100 - 125 (550-806 MHz). This is the 4th generation of the MICM series.





Features

- Prohibits commercials that accompany broadcast programs from:
  - (i) having modulation levels substantially higher than the broadcast program; and
  - (ii) having an average maximum loudness substantially higher than that of the broadcast program.
- Provides consistent audio level among all broadcast programs on different channels and among different programs within the same channel
- Compact design allows for deployment of 12 channels in 2RU
- Utilizes SAW filters for improved performance
- Die-cast chassis for RFI immunity
- Integrated Stereo encoder



Ordering Information

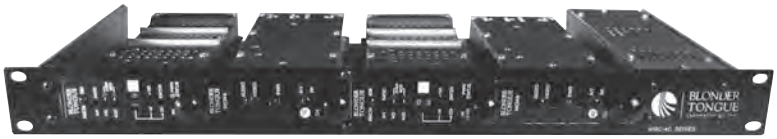
Model	Stock #	Description
MICM-45D	7797D	Fixed-channel Audio/Video Modulator, Audio AGC, +45 dBmV, 54-550 MHz
MICM-45C	7797C	Fixed -channel Audio/Video Modulator, +45 dBmV, 550-806 MHz
MICM-45DS	7797DS	Fixed-channel Audio/Video Modulator, Audio AGC, Stereo, +45 dBmV, 54-550 MHz
MICM-4S	7797S	Fixed-channel Audio/Video Modulator, Stereo, +45 dBmV, 550-806 MHz
MIRC-12V	7715	Rack Chassis (holds up to 12 modulators)
MIPS-12D	7722D	100-240 VAC; 50/60 Hz power supply (one per chassis)
MIRC-4D	7711	Horizontal Rack Chassis equipped with Power Supply


MIRC-4D

Modular Headend System

Rack Chassis and Power Supplies

4 Slot Horizontal Chassis

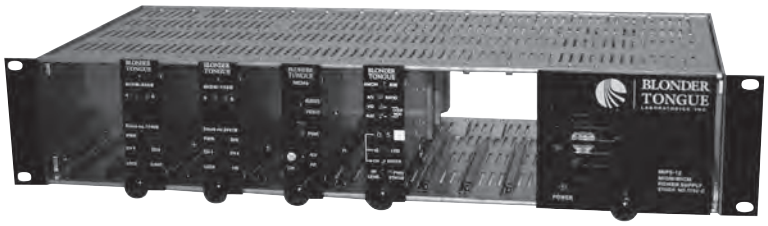


MIRC-4D



MIPS-12D

12 Slot Vertical Chassis



MIRC-12V

❍ Specifications

General

Power Requirements: 100 VAC to 240 VAC, ±10%

Frequency: 50 to 60 Hz

Temperature Range: 0° to +50° C

Output: +5 VDC @ 7 A, +12 VDC @ 4.5 A

Mechanical

Dimensions (W x H x D): 4.2 x 3.5 x 7.50 in.

Weight: 2.6 lbs., 1.2 kg

Connectors

AC Input: IEC

DC Output: 37 pin D

Indicators

Power: LED, Green

Accessories Supplied

AC Power Cable: 6 Ft, IEC, USA

Surveillance Application

The MIRC-4CUBE is extremely well suited for use in surveillance or security type applications. A video camera's baseband video output can be modulated to any cable television channel and combined with existing TV signals to permit any outlet to monitor the camera feeds. This compact chassis can support up to 4 fixed channel or agile modulators and can be mounted in practically any location. The use of Blonder Tongue high performance modulators easily permits placing camera signals on adjacent channels.

❍ Specifications



MIRC-4CUBE

General

Power Requirements: 100 to 240 VAC

Frequency: 50 to 60 Hz

Temperature Range: 0° to +50° C

Output Voltage & Current Capacity:
+12 VDC @ 1.8 A
+ 5 VDC @ 1.8 A

❍ Ordering Information

Model	Stock No.	Description
MIRC-4D	7711	HE-4 Series Rack Chassis & Power Supply 19" Rack Mount
MIRC-12V	7715	HE-12 Series Vented Rack Chassis 19" Rack Mountable 2 RU Chassis for 12 Modular Units
MIPS-12D	7722D	HE-12 Series Power Supply
MIRC-4CUBE-CH	7703	4 Slot Vertical Chassis Supports combinations of up to 4 MICM, AMCM or MIDM units
MIRC-4CUBE-PS	7702	4 Slot Vertical Chassis Power Supply Unit