

## The **FM7380-6HF** FM HD Broadcast Isolator

The **FM7380-6HF** HD Isolator is designed for digital HD broadcast applications that require extra isolation. The **FM7380-6HF** is inserted between the HD FM Transmitter and its coax system (load) to reduce intermodulation products associated with return analog signals being received by the digital antenna element(s), coupled down the digital coax system and mixed in the output circuit of the HD FM Transmitter. The system design uses a combination of convection and fan assisted cooling. The 115 VAC fan is thermally sensed and activated as required. The isolator is self contained and mounted on a standard EIA 19" rack mount panel for ease of installation. It is suggested that one RU of space be provided above and below the unit for air flow and cooling.

**For 500 Watt Application**

**Built in 250 Watt Termination Load**

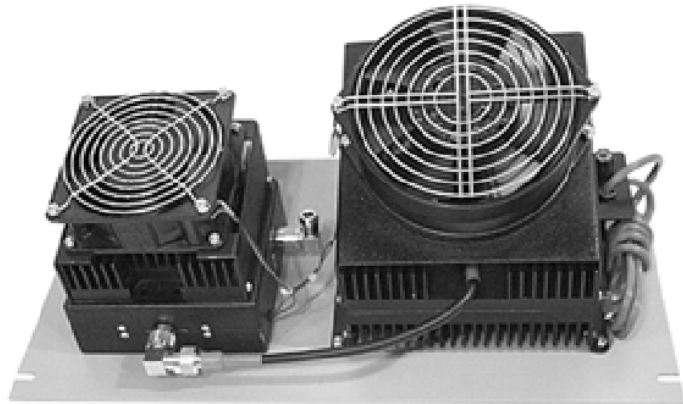
**For 88 to 108 MHz.**

**Low Insertion loss of 0.5 dB**

**Isolation provided =>32 dB**

**Small size for easy installation**

**Factory tested**



FM7380-6HF

### *Specifications:*

|                   |                       |
|-------------------|-----------------------|
| Frequency Range   | 88-108 MHz            |
| Power Input       | 500 Watts             |
| Load Termination  | 250 Watts             |
| Insertion Loss    | 0.50 dB               |
| Isolation         | at least 32 dB        |
| Tunable Bandwidth | 5% $f_0$              |
| Fixed Bandwidth   | 1% $f_0$              |
| Size              | 8-3/4" x 19" x 9-1/4" |
|                   | 212 x 483 x 235 mm    |
| Weight            | 25 lbs (11.4 kg)      |

Notes:

1. All connections "N" female.
2. Custom mounting brackets available.
3. Assembled outside Jampro factory
4. Specifications subject to change without notice