



# KINTRONIC LABS

an ISO 9001 registered company

## Solutions for Digital LPTV and TV Translators Installed on AM Towers

The *LPTV Spectrum Rights Coalition* estimates that the FCC auction's clearing of UHF channels 38 – 50 will impact about 4000 LPTV and TV translator licenses and permits.

They will be displaced and have to find new channels and towers for LPTV antennas.

AM towers can be a permanent or temporary solution to allocate a displaced LPTV antenna, in particular where the terrain is not an issue, for instance in flat areas such as in Florida, Oklahoma, Texas, California, and other regions in the U.S.A.



**FMC-05LPTV for LPTV on AM base insulated tower**

***"A UHF DTV translator at 300 feet height above average terrain (HAAT) operating at the maximum ERP 15 kW would have an FCC (50, 90) 41 dBμV/m contour extending just beyond 32 miles."***

Source: TVTECHNOLOGY Feb 10, 2009 issue; Doug Lung VP of Technology, NBC Stations, Western Region at NBC



**ISO-88-LPTV-78EIA**



**FMC-0.5LPTV**



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## Technical Characteristics

### Isocoils

Model	Insertion Loss (dB)	Power Rating (W) (470 – 572 MHz)	Outdoor Max Temp	Standard Connectors	Peak AM Voltage (KV)
ISO-74-LPTV-158EIA-C*	0.45 – 0.52	6,000	130° F	1–5/8" EIA Male	20**
ISO-74-LPTV-158EIA	0.5 – 0.6	3,000	120° F	1–5/8" EIA Male	20**
ISO-88-LPTV-78EIA	0.8 – 0.9	1,750	120° F	7/8" EIA Male	20**

\* Climate-controlled and fully-enclosed    \*\* Higher voltage rated units are available

### Isocouplers

Model	Insertion Loss (dB)	Power Rating (W) (470 – 572 MHz)	Outdoor Max Temp	Standard Connectors	Peak AM Voltage (KV)
FMC-0.5LPTV	0.7 – 0.8	500	130° F	7/8" EIA Male	18

## Isocoil Features

- Pre-installed in aluminum weatherproof cabinet with off-white paint finish w/ optional support stand
- Cabinet Dimensions for ISO-74-LPTV-158EIA(-C):
  - 60" W x 54" D x 48" H
- Cabinet Dimensions for ISO-88-LPTV-78EIA:
  - 27" L x 24" W x 53-1/2" H
- OPTIONAL for ISO-74-LPTV-158EIA(-C):
  - Air-conditioned with digital thermostat ; automatic 24/7
- Screened Enclosure for Passive Convection Cooling w/ thermostatically-controlled fan