

GLB TRANSMITTER STRIPS

Our T-series consists of a complete line of VHF-UHF transmitter strips, oscillators and an audio processor board. They feature simple construction, clean spectra, conservative power ratings, and wide bandwidth. For example the T450L strip is typically 8 MHz wide without significant loss of power, making it an ideal ATV transmitter. The audio processor provides pre-emphasis, clipping and filtering for the maximum in voice effectiveness and bandwidth limiting. Applications include:

- * Custom-built transceivers
- * Repeater control links
- * Point-to-point linking
- * Repeaters
- * Amateur TV transmitters
- * Remote receiver links

Each strip is designed for direct compatibility with the GLB Channelizers, or it can be driven by an external oscillator. The T450L version has a built-in oscillator and is designed specifically for linking applications.

TRANSMITTER STRIPS, TYPICAL SPECIFICATIONS (12V DC operation)

Model:	T50	T144	T220	T450L	
Range:	40-60	130-170	200-250	400-470	MHZ
Power output:	2	2	2	1	Watts
Spurs:	-50	-50	-50	-50*	db
Harmonics:	-50	-50	-50	-50	db

* except f/2, -40

OSCILLATOR STRIPS

Currently we offer two oscillator strips; Models T04 and T06. Model T06 utilizes fundamental cut crystals and sufficient deviation capability for the T50 and T144 strips. Model T04 utilizes an overtone crystal for higher stability on the 220 and 450 MHz strips. It also includes an on-board oven control for super stability if you want to use it. Both strips are directly modulated for true FM. NOTE: Each oscillator will work with any strip; the choice depends upon the function and the requirements in your application.

MODEL AF100 AUDIO PROCESSOR

This strip is a no-compromise design offering high microphone gain, textbook pre-emphasis, symmetrical clipping and a 3-pole Chebyshev low-pass splatter filter. Unlike many transceivers, separate gain control pots are provided for deviation and mike gain so that you can set the deviation properly. In addition, a tone-pad interface is provided for insertion of control tones without upsetting microphone audio. A third pot is used to set the tone level. Outputs are provided to operate an automatic keying system (not included). You can upgrade the audio on any rig by adding this unit. It has plenty of output (2V RMS) at low impedance to drive any modulator. A dynamic microphone is recommended, but sufficient gain is available and the input impedance is high enough to accommodate ceramic or other types of microphones.