



PHEMT Rack Mount Preamplifiers

RECEIVE PREAMPLIFIER

The TWR-1 Series of Rack Mount PHEMT Preamplifiers provide up to +18 dB of user-controllable gain in a receiver system. These preamps provide extra gain to compensate for loss of signal from tower extension, receiver filtering, or long cable runs. Each unit consists of a low-noise PHEMT preamplifier, a 10 dB rotary step attenuator, and a regulated switching power supply mounted on a 19-inch single rack-unit aluminum panel. Primary input power is 120 or 220 VAC, and DC back up requires +11 to +15 VDC. The DC input is reverse polarity protected, and equipped with a high-pass filter to eliminate RFI. Standard gain is +1 to +11 dB. Any range between +1 to +11 and +8 to +18 dB may be specified, depending on frequency.

NOTE:

These preamplifiers are for receiver use only. They are not designed to accept transmitter power levels

RACK MOUNT PHEMT PREAMPLIFIERS

TWR1 PHEMT preamplifiers are mounted on a 1.75" H x 19" W (1RU) panel, and include a 0-10dB attenuator and 110 or 220 VAC to +11-18 VDC power supply. Bandwidth is approximately 10% of operating frequency for each unit. Gain window is factory adjustable between limits shown.

FEATURES

- Made in USA



RF SPECIFICATIONS

Frequency Range	132–960 MHz across the series	Gain	+1 to +11 dB
-----------------	-------------------------------	------	--------------

PHYSICAL SPECIFICATIONS

Mount	Rack mount (1RU)	
-------	------------------	--

