

Preamplifiers

TITAN 2 Mast Mounted Preamplifiers

The Titan range of mast mounted amplifiers has been completely reengineered and updated. These amplifiers represent the ultimate in preamplifier performance. They are designed for use as an ultra low noise, ultra high gain preamplifier for deepest fringe applications and MATV headend applications.



Their very high signal handling also makes them suitable for use as a mast mounted, ultra low noise distribution amplifier for use in small MATV systems. All models feature 75 ohm, input and output connections in line with modern headend engineering practice.

Three models are available:

1. Model 7775 is a UHF only model.
 2. Models 7777 and 7778 cover both VHF and UHF bands with separate amplification in each band for maximum signal handling. They may be configured for either separate or combined VHF and UHF inputs. They include a switchable FM trap.
 3. Model 7778 offers Spartan 3™ specifications in the die-cast Titan™ housing and is compatible with Model 7763 Tandem Amplifier.
- ✍ Surface-mounted components for automated production and consistent high performance.
 - ✍ Rugged die-cast aluminum housing -fully shielded.
 - ✍ Simple installation -hardware included.
 - ✍ High gain and ultra low noise figure from latest generation transistors give optimum sensitivity.
 - ✍ Ultra linear transistors provide high output capability for optimum signal handling.
 - ✍ Optimum filtering for rejection of out-of-band signals.
 - ✍ Uninterrupted operation even under the harshest environmental conditions.
 - ✍ Full lightning and surge protection.
 - ✍ Cool running, redesigned 117 VAC power supply, Model 0747 is included with each model. Output voltage is +18VDC. UL and cUL listed, Power supply also available as a separate model.

SPECIFICATIONS

Model	7775	7777	7778
Number of Inputs*	1 (UHF)	1/2 (VHF & UHF)	1/2 (VHF & UHF)
Input/Output Impedance	75 ohms		
Input/Output Connectors	Type F		
VHF Gain	N/A	23 dB	16 dB
VHF Noise Figure	N/A	2.8 dB	3.0 dB
VHF Output Capability**	N/A	57 dBmV	56 dBmV
Switchable FM Trap	N/A	Yes	Yes
UHF Gain	26 dB	26 dB	23 dB
UHF Noise Figure	2.0 dB	2.0 dB	2.2 dB
UHF Output Capability**	51 dBmV	51 dBmV	50 dBmV

*On Models 7777 and 7778, an internal switch selects either separate or combined VHF and UHF innputs.

***Output capability is quoted for 2 channels at -46 dB cross modulation.
Derate by 5 or 9 dB for 4 or 8 channels per band. Maximum*