

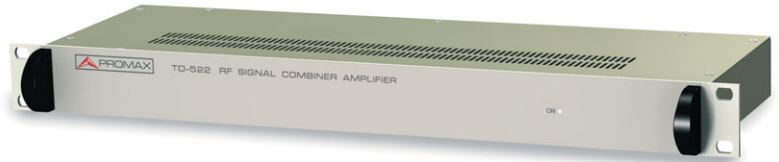
22 dBm DVB-T RF SIGNAL COMBINER AMPLIFIER



The **TD-522** is a combiner to be assembled in a rack cabinet of 19 inches and 1U height. It is an instrument designed to combine different RF (**COFDM**) signals in DVB-T format. The system provides 46 dB amplification and an output power of 130 dB μ V (+22 dBm) which allows offair distribution in reduced areas.

The **TD-522** can combine up to 4 RF input signals from different sources, such as **DTT** signals, **CCTVs**, modulators and more, distributing the combined RF output signal through the distribution network.

This is a solution of higher quality than those often used by Z connections, due to it preserves the original quality better and maintains lower noise levels.



SPECIFICATIONS	TD-522 22 dBm DVB-T RF SIGNAL COMBINER AMPLIFIER
Frequency range	From 50 MHz (C-2) to 860 MHz (C-69)
Modulation	COFDM
RF Output COFDM power MER Impedance Return losses Gain Max. output level Connector type	<p>22 dBm >36 dB from 50 MHz to 666 MHz (C-45) >34 dB from 674 MHz to 858 MHz (C-69)</p> <p>75 Ω <-15 dB</p> <p>46 dB \pm3 dB between each input - output 1 channel to 130 dBμV, 2 channels to 127 dBμV, 4 channels to 124 dBμV and 8 channels to 121 dBμV BNC Female</p>
RF Input Impedance Return losses Max. COFDM input level Connector type	<p>4 inputs 75 Ω < -15 dB</p> <p>1 channel to 84 dBμV \pm 3dB, 2 channels to 81 dBμV \pm 3 dB, 4 channels to 78 dBμV \pm 3 dBμV and 8 channels to 75 dBμV \pm 3 dB BNC Female</p>
Operating environmental conditions	From 5° C to 40° C
Power supply	Mains voltage, from 88 to 250 V AC / 50-60 Hz; Consumption \leq 25 W
Mechanical features Dimensions Weight	<p>19" 1 U Rack, 170 mm deep 3 Kg</p>