

DVB-T 30 dBm Power amplifier (1 W)



The **DT-730** is a high quality 1 W RF power amplifier for COFDM signals, both for single carrier or multicarrier systems (*). The system provides an amplified output of 30 dBm (137 dB μ V). This is a high quality solution that preserves the original signal quality and maintains a low noise levels.



Specifications	DT-730
Frequency Bands	UHF from 474 MHz ~ 862 MHz
Input Type Connector Return Losses COFDM nominal input level (dB μ V @ 75 Ω)	1 input 50 Ω BNC female <-15 dB 1 channel at 85 dB μ V \pm 3 dB 2 channels at 82 dB μ V \pm 3 dB 4 channels at 79 dB μ V \pm 3 dB 8 channels at 76 dB μ V \pm 3 dB 16 channels at 73 dB μ V \pm 3 dB 32 channels at 70 dB μ V \pm 3 dB
Output Type Connector Return Losses Nominal power MER Maximum power Spurious level Gain Nominal output level (dB μ V @ 50 Ω)	1 amplified output 50 Ω N female <-15 dB (COFDM) + 30 dBm \geq 35 dB (COFDM) + 35 dBm < -43 dBc (+ 30 dBm otuput power) 52 dB \pm 3 dB 1 channel at 137 dB μ V 2 channels at 134 dB μ V 4 channels at 131 dB μ V 8 channels at 128 dB μ V 16 channels at 125 dB μ V 32 channels at 122 dB μ V

(*) 80 MHz maximum space between 2 channels.

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Voltage Connector Consumption maximum	By means of DT-800 / DT-802 control and Power Module JST B08P-XL-HDS (connecting cable supplied with DT-800 / DT-802) +12 V ; <5.2 A (3.7 A typ.)
Operating environmental conditions Altitude Temperature range Max. Relative Humidity	Up to 2000 m From 5 °C to 40 °C 80% (up to 31 °C), decreasing lineally up to 50% at 40 °C
Mechanical features Dimensions Weight	50 mm (W.) x 262 mm (H.) x 230 mm (D.) ~ 1.900 gr
Included accesories 1 x 0 AD0059 1 x 0 MI1700	NM-BNC/H Adaptor Installation Manual