

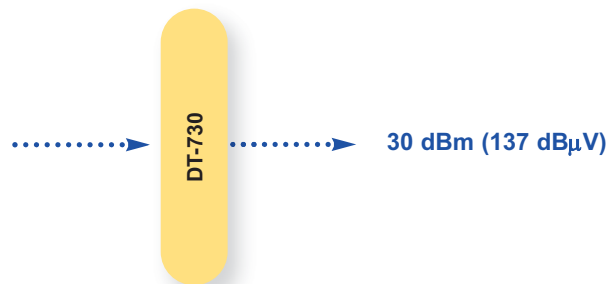
DVB-T 30 dBm Power amplifier (1 W)



The **DT-730** is a high quality 1 W RF power amplifier for COFDM signals.

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 ~ 858 MHz
Input	
Type	1 input
Connector	50 Ω BNC female
Return Losses	<-15 dB
Maximum COFDM Input	1 channel at 87 dB μ V \pm 3 dB 2 channels at 84 dB μ V \pm 3 dB 4 channels at 81 dB μ V \pm 3 dB 8 channels at 78 dB μ V \pm 3 dB 16 channels at 75 dB μ V \pm 3 dB 32 channels at 72 dB μ V \pm 3 dB
Output	
Type	1 amplified output
Connector	50 Ω BNC female
Return Losses	<-15 dB
Maximum COFDM Power	+30 dBm
MER	\geq 35 dB
Gain	50 dB \pm 3 dB
Maximum output level	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

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Voltage Connector Consumption maximum	Via the DT-800 Control and Power Module JST B08P-XL-HDS (connecting cable supplied with DT-800) +12 V ; <5.0 A (4.0 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.) ~ 1.500 gr
Included accesories 1 x 0 AD051 1 x 0 MI1687 1 x AD059	BNC/M-F/H Adaptor Installation Manual N/M - BNC/H Adaptor