

# D+D Electronics

## DD 0700

### DIGITAL PROGRAMMABLE AMPLIFIER



- 4 inputs (1 x FM, 1 x VHF + DAB + UHF selectable, 2 x VHF/UHF selectable)
- 2 outputs (TER / TEST -30dB)
- 32 ultra-selective digital filters
- Gain >70dB autoreg.
- Output level 120dBuV (45004B) / 131dBuV (IMD3-36dB)
- Automatic digital multiplex search
- Programming with buttons and display. Simple navigation through the menu
- Processing functionality for channel conversion
- Automatic gain control in real time
- Preamp Power Option
- Possibility of remote power supply through the output connector
- Compact size: 190 x 120 x 50 mm

REFERENCE	DD 0700		
	VHF/UHF	FM	DAB/ VHF/ UHF
Inputs	2	1	1
Frequency range	195 – 694 / 790 /862 MHz	88-108 MHz	195 – 694 / 790 /862 MHz
Max. gain	>70dB autoreg.	35dB	>70dB autoreg.
Number of filters	32*	-	32*
Channels per filter	1	-	1
Selectivity	>30@+/-1MHz	>20@+/-20MHz	>30@+/-1MHz
Equalizer	0..6	-	0..6
Attenuation control	0...20dB+AGC	0...20dB	0...20dB+AGC
Max. input level	110dB $\mu$ V	-	110dB $\mu$ V
Max. output level (DIN45004B)	120dB $\mu$ V		
Max. output level (EN50083 IMD3 2CH -36dB)	128-131dB $\mu$ V**		
Noise figure	-	<6dB	-
Isolation	>35dB@+/-1MHz	>20dB@+/-20MHz	>35dB@+/-1MHz
Max. preamplifier energy consumption	12Vdc/OFF	-	12Vdc/OFF
Power supply	100-254Vac / 50-60Hz 12Vdc remote power option through the output connector		
Energy consumption	<20W		
Operational temperature range	-10...45°C		
Screen	2 lines, 16 characters		
Connector type	F		
RF output	TER / TEST -30dB		

\*\* Number of filters for UHF inputs. If the DAB input is selected, 6 filters will be assigned to this band and 26 to the UHF inputs