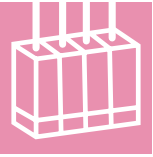


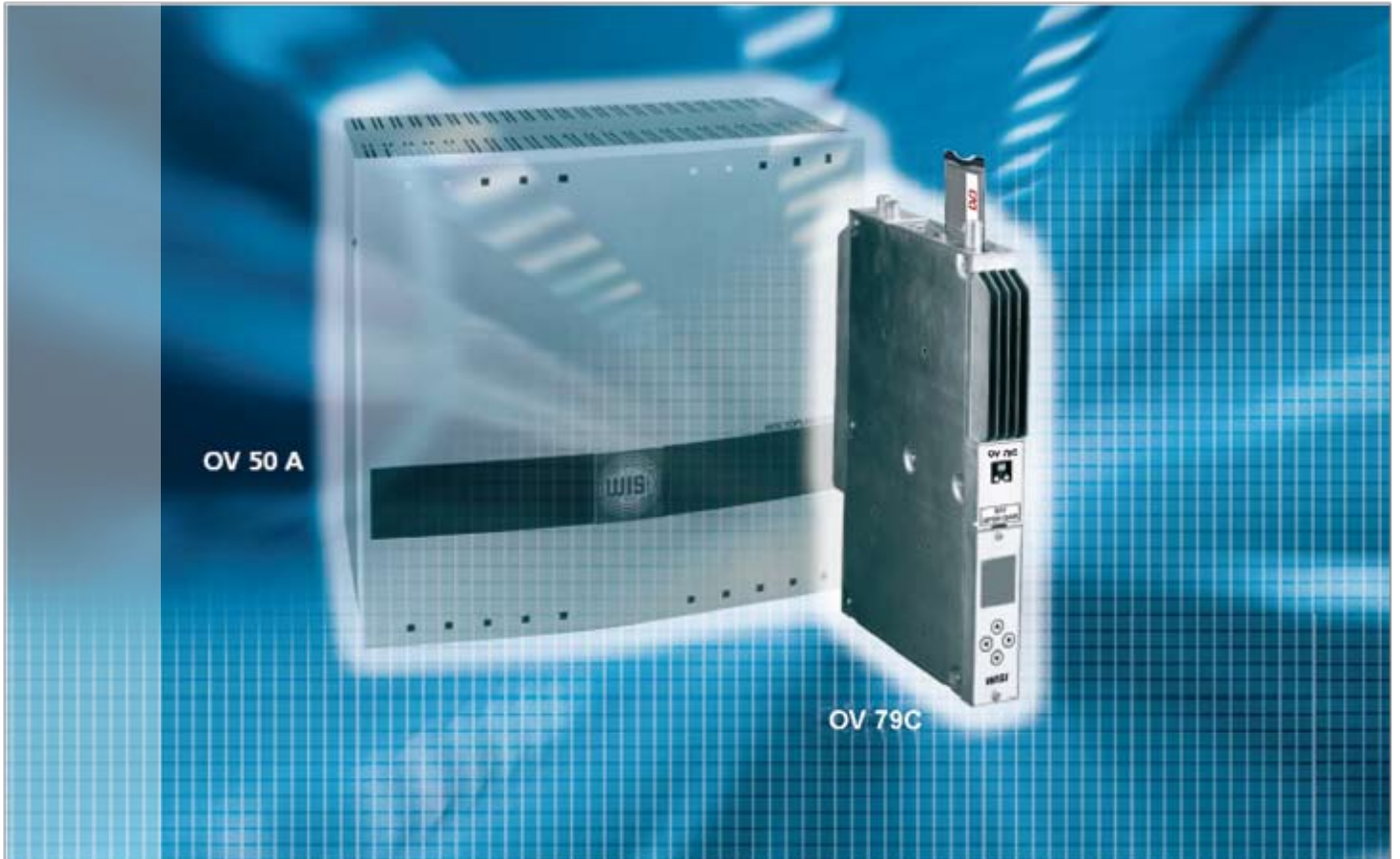


... a link to the future



Product Information

OV 79 C DVB-T-PAL „FTA“ stereo channel processor+CI



WISI TOPLINE HEADEND

- ⦿ Reception of a DVB-T signal and processing into a PAL / SECAM / NTSC-M TV channel
- ⦿ Demultiplexing and decoding of MPEG-2 signals
- ⦿ Insert of teletext datas
- ⦿ Spurious emissions > 60 dB
- ⦿ OV 50A controlling via OV 51A HEADEND controller or OV 52 Remote-Interface
- ⦿ Option: NICAM (OV 65) module and AV-Loop (OV 66) module

OV 79 C DVB-T to PAL stereo channel processor + CI

Specification

DVB-T input

Frequency range	250 kHz steps	146 - 858 MHz
Frequency offset	7 MHz	± 125 kHz
	8 MHz	± 166.67 kHz
Input level		47 - 90 dB μ V
COFDM spectrum		2k FFT + 8k FFT
Type of modulation		QPSK, 16 QAM, 64 QAM
Guard intervall		1/32, 1/16, 1/8, 1/4
FEC inner code		Conv., K=7, R=1/2, 2/3, 3/4, 4/5, 5/6, 7/8
Channel bandwidth (selectable)		7, 8 MHz
Video decoder		ISO 13818-2/ MPEG2 (MP@ML)
Video format		4:3 / 16:9 / 4:3 Zoom
Video standard		PAL / SECAM / NTSC-M
Video level		1 Vp-p / 75 Ω
Audio decoder		ISO 13818-3/ MPEG2 (L1/L2)
Audio format		Mono / Stereo / Dual tone
Audio format switchable		Manuell / Auto (if provider supports)
Audio level		0.2 Veff@ 10 k Ω

Output

Frequency range	250 kHz steps	45 - 862 MHz
Output impedance		75 Ω
Channel bandwidth (selectable)		7/8 MHz
Level	(loop)	74 - 84 dB μ V
	(single)	84 - 94 dB μ V
Output level 1 dB steps		0 ... 10 dB
TV standards		B/G, D/K, I, L, M, N
Spurious emissions	within AM TV channels	> 60 dB
	out of TV cahnnel	> 60 dB
Group delay (-0.5 ... 4.43 MHz)		< 80ns
S/N video (CCIR-rec. 567-1)		60 dB*
S/N audio (with color test pattern)		60 dB*
Adjacent channel rejection		60 dB*

General

Housing		Zinc die cast
Dimensions		30 x 260 x 200 mm
RF inputs and outputs		F-type connectors
Operating voltage		12 VDC 450 mA
		5 VDC 530 mA
Power consumption		< 9 W
Operating temperature		-20°C ... +55°C
Storage temperature		-25°C ... +75°C
Data retainment within temperature range		+5°C ... +55°C
EMC / Class A		EN 50083-2

Accessory

NICAM module	OV 65
AV Loop module (decoder module)	OV 66

*typical values



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