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# Product Information

OK 75M DVB / QPSK - QAM

Dual Transmodulator with Transport Stream handling



Handset OK 41 A  
(Accessory)



OK 40A

OK 75 M

## **WISI COMPACT HEADEND**

- ⦿ Reception of two QPSK satellite signals and transmodulation into two digital QAM-TV-channels
- ⦿ Input frequency range 950-2150 MHz
- ⦿ Output frequency range 45-862 MHz
- ⦿ Stuffing with PCR correction
- ⦿ PID filtering
- ⦿ Network information table processing (NIT)
- ⦿ Installation in OK 40 / OK 40 A WISI COMPACT HEADEND

# OK 75M DVB / QPSK - QAM Dual Transmodulator

## Specifications

### Input

Frequency range	950-2150 MHz
Tuning steps	1 MHz
Return loss	> 8 dB
IF frequency/- bandwidth	none (Zero-IF)
Input level	47-70 dB $\mu$ V
AFC	$\pm$ 5 MHz
Type of modulation	QPSK
Symbol rate adjustable	2 - 45 MS/s
Filtering	Nyquist $\sqrt{\cos}$
Roll off	35 %
FEC inner code	Conv., K=7, R= 1/2, 2/3, 3/4, 4/5, 6/7, 7/8, 8/9
Spectrum inversion	Cu-Band
FEC outer code	Reed Solomon (204, 188,8)
Interleaving	Conv., I=12

### Output

Frequency range	45-862 MHz
Tuning steps	500 kHz
Frequency stability	+ 30 kHz
Bandwidth transparent mode	depends on symbolrate
stuffing mode	depends on the QAM symbolrate
Output level	64 QAM 79 - 89 dB $\mu$ V in 1 dB steps 256 QAM 85 - 95 dB $\mu$ V in 1 dB steps
Output level stability	$\pm$ 1 dB
Return loss	$\geq$ 14 dB
Type of modulation	16-, 32-, 64-, 128-, 256-QAM
Symbol rate	3,45 - 7,00 Mbaud (depends on received symbolrate or stuffing)
Filtering	Nyquist $\sqrt{\cos}$
Roll-Off	15 %
Interleaving	Conv., I=12
FEC outer code	Reed Solomon (204, 188,8)
Spurious emissions 45-860 MHz	> 50 dB

## Generals

Sockets	F
Operating voltages	12,5 VDC / 630 mA, 5,2 VDC / 870 mA, 30 VDC / 1 mA
Dimensions	25 x 250 x 120 mm
Operating temperature	-20°C...+55°C
Storage temperature	-25°C...+75°C
EMV	EN 50083-2
PID-Filter	10

\* Processing of Network information table (NIT) with CS 75 software and interface cable

\* Accessories



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