

Order number: 20610128

Open text field 1:



4-way transmodulator, DVB-S(2) - DVB-C (QPSK/8PSK - QAM)  
 High level of energy efficiency, power consumption: Typical 14/24 W at 12 V  
 Flexible baseband data exchange with neighbouring modules such as UFZ 896 for decoding  
 Outstanding specification (MER  $\geq$  45 dB) due to direct implementation as FPGA solution  
 Four sat IF inputs with DiSEqCTM1.0 functionality for sat multi-switches, for flexible distribution to four or eight frontends  
 Comprehensive baseband signal processing, e.g. with extended channel filter functionality  
 Four or eight DVB-C compliant output channels (J.83A)

Hersteller: Kathrein

**UFO 874****Product information "UFO 874"**

UFOcompact plus 4-way transmodulator DVB-S(2)-DVB-C - Input: 4x 950-2150 MHz - DiSEqC - TS processor - Output: 4x DVB-C, 47-1006 MHz - QAM mode 16-256

Type:	UFO 874
Order no.:	20610128
Control interface:	12 MBit/s
DVB-S demodulation:	-----
Level stability:	$\pm$ 0,8 dB
Standard:	EN 300 421 (1), EN 302 307 (2)
DVB-S2 demodulation:	-----
Interfaces:	-----
Frequency range:	47 ... 1006 (fine tuning in 125 kHz steps) MHz, 950 ... 2150 MHz
MER:	$\geq$ 45 dB
Shoulder attenuation:	$\geq$ 60 (at normal level) dB
Frequency range (channel list):	47 ... 86/110 ... 862 (setting via channel list) MHz
TS routing to backplane:	Max. 2 x 16 transport streams (right and left)
Protective shut-down:	> 70 °C
Output channels:	4 x DVB-C (J.83A)
DiSEqC™1.0:	Vert./Horiz., Low/High; Sat. pos. (A/B/C/D)
Programme filter/PID-filter:	●/●
Dimensions (H x W x D):	265 x 36 x 220 mm
Frequency grid:	1 (950 ... 2150 MHz) MHz
RF output:	-----
Power consumption:	Typ. 14 (an 12 V) W
MPEG-TS processor:	-----
Decoupling:	> 25 dB
Frequency stability:	35 ppm
Output level:	97 dB $\mu$ V
Frontend:	-----
Stuffing:	Automatic
DVB-C output:	1 x F-Connector, 75 $\Omega$
Permissible level difference:	12 dB
Input level range:	60 ... 110 dB $\mu$ V
PSI/SI processing:	Cable NIT, LCN, PCR correction, CAT
AFC regulation range:	$\pm$ 3 (symbol rate < 10 Ms/s); $\pm$ 5 (symbol rate > 10 Ms/s) (950 ... 2150 MHz) MHz
Symbol rate:	2,25 ... 7,25 MS/s
Code rate (LDPC):	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
System data:	-----
Code rate (Viterbi):	1/2, 2/3, 3/4, 5/6, 6/7, 7/8
Spurious emissions:	$\geq$ 60 dB
QAM constellation:	16, 32, 64, 128, 256 QAM
Switching levels:	14/18, 0/22 V/kHz
Input symbol rate 8PSK:	2 ... 31,5 MS/s
QAM modulator:	-----
Temperature range:	-20 to +50 °C
DVB-S2:	4 x
Input symbol rate QPSK:	1 ... 45 MS/s, 2 ... 47 MS/s
Remote feed current:	Max. 60 (je Eingang) mA
Roll off:	15 %, 20/25/35 %, 35 %
Data interface:	800 MBit/s netto
Return loss:	14 (47 MHz) -1,5 dB/Okt. dB, Typ. 10 dB
Inputs:	-----
Output level setting range:	-20 (in 0,5 dB steps) dB
Sat IF input:	4 x F connector, 75 $\Omega$
Weight:	1.1 kg