

# SDM 6000+ / SDM 7000+

**Transmodulator that converts the QPSK modulated signal coming from the satellite into AM channels with analogue modulation for its distribution together with the rest of terrestrial and analogue satellite channels through just one cable. Operates in any TV channel in VSB, allowing adjacent channels operation.**

## APPLICATION

Community installations where it is necessary to distribute the Digital Satellite TV signal, converted into analogue channels. No need of individual receivers with each TV set.

## CHARACTERISTICS

- No need of input splitters or output combiners.
- Displays the S/N ratio to know picture quality.
- Easy programming of the output channel by UCF 100 Control Unit.
- OSD to simplify system parameters programming.
- Baud Rate from 4 to 45 Mbaud.
- Automatic Code Rate detection.
- Menu guided programming with OSD, On Screen Display.
- Teletext and Radio programs identification.
- Screws and power supply cable included.



Supply voltage	Vdc	30	17	12	5
Current drawn (10,5 W)	mA	2	16	430	1000
Operating temperature range		0 ÷ 40° C			

MODEL	SDM 6000+	SDM 7000+
Reference	27580	27880
Assembly system	Frame	19" Rack
Output / input connectors	F (f)	
Input frequency	MHz 950 ÷ 2150	
Input modulation type	QPSK (DVB compliance)	
Input level	dBµV 49 ÷ 89 (-60 ÷ -20 dBm)	
1 <sup>st</sup> IF input through losses	dB 1,5	
Dynamic threshold C / N (QEF FEC 3/4 )	dBc 8	
1 <sup>st</sup> IF bandwidth	MHz 55	
AFT pulling range	MHz ± 5	
Baud rate	Mbaud 1,5 ÷ 45 (1 Kbaud resolution)	
FEC	DVB compliance 1/2, 2/3, 3/4, 5/6, 7/8 (automatic)	
Output modulation type	PAL, B/G	
VSB output frequency range	MHz E 2 ÷ E 69 (47 ÷ 862 MHz) programmable	
Output fine tuning	MHz ± 4,5 (Δ = 125,5 KHz)	
Output through losses	dB 1,5	
Output level	dBµV 75 ÷ 90 (-34 ÷ -19 dBm)	
Spurious in channel	dBc - 60	
Spurious in band	dBc - 54	
Carrier accuracy	KHz ± 30	
Carrier stability	KHz ± 10	
Video modulation depth	% 85	
C/N ratio (RF output)	dB 56	
Packing dimensions	mm 272 x 166 x 45	
Weight	Kg 1,8	

\*Standards available: B/G, I, L, D/K M, N...