

SDM 6000+ ST / SDM 7000+ ST

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. It has two audio carriers for STEREO DUAL signals processing. Adjacent channel operation.

APPLICATION

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

CHARACTERISTICS

- In DUAL mode A/B or B/A channel switching is provided.
- 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 display to simplify system parameters programming.
- Baud Rate from 4 to 45 Mbaud.
- Automatic Code Rate detection.
- Programming with OSD Display
- Teletext and Radio programs identification.
- Screws and power supply cable included.



Supply voltage	Vdc	30	17	12	5
Current drawn (10,6 W)	mA	2	16	440	1005
Operating temperature range					0 ÷ 40° C

MODEL		SDM 6000+ST	SDM 7000+ST
Reference		27595	27895
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 st IF input through losses	dB	1,5	
Dynamic threshold C / N (QEF FEC 3/4)	dBc	8	
1 st 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	
Audio output modes		Stereo / Dual switchable (A/B - B/A)	
Packing dimensions	mm	272 x 166 x 45	
Weight	Kg	1,8	

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