

SM 8000/SM-ST 8000

Modulator with VSB output, that allows adjacent channel operation. A programmable output channel means that the modulator can easily be inserted into the headend since it operates in any TV channel (BI, BIII, "S" Bands and UHF). The stereo model includes STEREO/DUAL signals processing.

APPLICATION

Analogue satellite TV community installations, where locally produced channel insertion is needed.

CHARACTERISTICS

- It allows audio volume adjustment to equalise them to the level of other installed programs.
- It also offers the possibility of fine tuning the output channel frequency to disperse intermodulation products in installations with many channels.
- RF output signal ON/OFF switchable for analysis and headend adjustment.
- Incorporates test bars generator.
- Output frequency shift.



Power supply voltage	V	5	12	17	30		
Model		-	-	Mono	Stereo	-	-
Current drawn (mA) (*)		270	390	440	0	0	5
Total power (Watt)		6,18(Mono) – 6,78(Stereo)					
Operating temperature range		0 ÷ 45 °C					

MODEL	SM 8000	SM-ST 8000
Reference	19800	19801
Output connectors	F(f)	
Audio/video input connector	MINI DIN 6 ways	
Audio Pre-emphasis	us	50
Video input level	Vpp	0,9 ÷ 1,25 Vpp
Audio input level	Vpp	0,5 ÷ 2,5 Vpp
Output channels BLV	MHz	47 to 862
Output level	dBuV	>90 with 15 dB regulation
Spurious in channel	dBc	>50
Spurious in band	dBc	>56
C/N ratio (3*)	dB	In channel: > 54 In band for min. output level: > 72
Carrier accuracy	ppm	±10
Carrier stability	ppm	±15
Output fine tuning	KHz	125
Video modulation depth	%	85
Pv / Ps ratio adjustable	dB	12/16
Programming	UCF 300 / PC *	
Standard TV	PAL (B/G, I, D/K) / SECAM (L, D/K, B/G)	PAL B/G, SECAM B/G
PV / PS separation	MHz	PAL (B/G:5,5, I:6,0, D/K:6,5) / SECAM (L:6,5, D/K:6,5, B/G:5,5)
Audio output modes	Mono	Stereo / Dual switchable (A/B - B/A)

* A través de MCU/LPU.