

SM 6000+ ST / SM 7000+ ST

Modulator with VSB output, that allows adjacent channel operation. It has 2 audio carriers for processing STEREO or DUAL signals. 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).

APPLICATION

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

CHARACTERISTICS

- In DUAL mode A/B or B/A channel switching is provided.
- 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.
- Brightness adjustment available.
- Video modulation depth adjustable from 75 to 90%.
- Incorporates test bars generator
- It allows to generate black screen for distributing audio signals.
- Screws and power supply cable included.



Supply voltage	Vdc	30	24	12	5
Current drawn (7,5 W)	mA	1	115	335	145
Operating temperature range					0 ÷ 50° C

MODEL	SM 6000+ST	SM 7000+ST
Reference	19665	19765
Assembly system	Frame	19" Rack
Input/output connector	F (f)	
Audio/Video input connector	MINI DIN 5 ways (f)	
Audio pre-emphasis	µs	50
Video input level	Vpp	0,9 ÷ 1,25 / 75Ω
Audio input level	Vpp	0,5 ÷ 2,5 (Δ = 13 KHz) / 10KΩ
VSB output channel	MHz	E2... 69 (programmable)
Output level	dBµV	75 ÷ 90 (adjustable)
Spurious in channel	dBc	- 60
Spurious in band	dBc	- 54
C/N ratio (8 modules)	dB	56
Carrier accuracy	KHz	± 30
Carrier stability	KHz	± 10
Output fine tuning	MHz	± 4,5 (Δ = 125 KHz)
Video modulation depth (switchable)	%	85 + 5, -10 (Δ = 5%)
Pv / Ps ratio adjustable	dB	13 + 1, -2 (Δ = 1 dB)
TV standard	B / G	
Audio output modes	STEREO / DUAL switchable (A/B - B/A)	
Packing dimensions	mm	272 x 166 x 45
Weight	Kg	1,5