912 TV-SAT AND MODULATOR EQUIPMENT

A/V MODULATOR STANDARD I, WIDEBAND



Code : **9120109**

Model : **MS-543**

Description
Modulator of mono audio in VSB vestigial side band, designed to work with adjacent channels. The audio input can be mono or stereo, in which case the channel will be modulated with a mono audio containing the two stereo channels. The different models cover the B/G, D/K and I standards.

Applications
MATV installations where it is necessary to generate an analogue TV channel with mono sound from the audio and video signal from equipment with mono or stereo sound.

Characteristics
Essential features of this equipment are the high carrier to noise ratio together with a very reduced spurious level in the band. Modulation in VSB vestigial side band filtered by means of a SAW surface acoustic wave filter in any TV channel, including the interbands. F type connector and miniDIN connector for audio/video. Supplied with the multiplexing bridge.

CODE		9120107	9120109	9120110	9120138
MODEL		MS-541	MS-543	MS-544	MS-545
TV System		AM-TV B/G CCIR	AM-TV I UK	AM-TV D/K OIRT	AM-TV M - N
Frequency range	MHz	46-894	46-894	46-894	46-894
Frequency step	KHz	250			
Output channel		2 - 4 5 - 12 21 - 69 S1 - S41	2 - 4 5 - 12 21 - 69 S1 - S41	R1 - R4 R5 - R12 21 - 69 S1 - S41	2 .. 6 A5 .. A1 A .. I *7* .. 13 J .. W AA .. ZZ 14 .. 83
VIdeo input level	Vpp	0.7-1.4 (75 Ω)			
Audio input level	Vpp	0.2-2.0 (>20 Ω)			
Audio		Unbalanced			
Output level	dBµV±TOL	84 ±2,0			
Output level adjust	dB	15			
Output level stability	dB	0.5			
Multiplexing through loss	dB±TOL	0.9 ±0,1			
Carrier/noise ratio (C/N)	dB	60			
Audio signal/noise ratio	dB	>50			
Return loss	dB	>15			
Chroma-luminance delay	ns	<40			
No-lineality of luminance	%	<2			
Differential gain	%	<3			
Differential phase	°	<3			
Response to the 2T pulse	%	<3			
Connectors		F female			
Audio/video connector		miniDIN (8 pin)			
Power supply	V⎓	+3.3	+5.2	+12	
	mA	50	205	115	
Operating temperature	°C	-10..+65			
Protection index		IP 20C			
Units per packing		1			
Packing weight	Kg	1.22			
Packing dimensions	mm	265 x 165 x 40			