

MODULATOR EQUIPMENT 912-MS

SERIES 912

Stereo modulators



MS-551

Description

Analogue stereo modulator (ITU BS-707-4) in VSB vestigial side band, designed to work with adjacent channels. The audio input can be mono, stereo or dual by selecting the audio mode of the modulator by means of the programmer. Available in B/G standard.

Applications

MATV installations where it is necessary to generate an analogue TV channel with stereo or dual sound from the audio and video signal from an equipment that has mono, stereo or dual 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 mini-DIN connector for audio/video. Supplied with the multiplexing bridge.

CODE		9120106		
MODEL		MS-551		
TV system		AM-TV	B/G CCIR	
Frequency range	MHz	46-894		
Frequency step	KHz	250		
Output channel		2 - 4 5 - 12 21 - 69 S1 - S41		
Video input level	V _{pp}	0.7-1.4 (75Ω)		
Audio input level	V _{pp}	0.2-2.0 (>20Ω)		
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-linearity 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 _{DC}	+3.3	+5.2	+12
	mA	90	205	135
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		