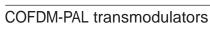
OCTIVE DIGITAL TERRESTRIAL EQUIPMENT 905-TO

Œ





Description

Receiver of free-to-air digital terrestrial TV programs, or COFDM-PAL transmodulator, with a built-in modulator. Each module selects a TV program from a DVB-T digital channel and converts it into a terrestrial band analogue TV channel. Modulator with analogue stereo audio (ITU-BS 707-4) or mono. The different modules cover the B/G, D/K and I standards.

Applications

Digital MATV installations where it is necessary to distribute digital terrestrial channels which have been converted to analogue channels. Compatible with all the MATV installations as the channels are distributed in the terrestrial band. It is not necessary to install individual receivers for each TV.

Characteristics

Very robust DVB-T decoder with an automatic reset system in the event of the detection of errors in order to reduce maintenance of the installation. Automatic detection of the audio mode. Decoding of mono, stereo and dual audio. Modulator in VSB vestigial side band, filtered by means of a SAW surface acoustic wave filter, designed to work with adjacent channels. Supplied with multiplexing bridge.

CODE			9050147				
MODEL	TO-559						
TV System		DVB-T—→ AM-TV PAL B/G CCIR	DVB-T—→ AM-TV PAL I UK	DVB-T—→ AM-TV PAL D/K OIRT			
Audio		Mono / Stereo / Dual (Analogue)	Mono	Mono/Stereo DK3 Dual (Analogue)			
COFDM receiver							
Band		BIII		UHF			
Frequency range	MHz	170 - 230		470 - 862			
Frequency step	KHz	0,25					
Input level	dBµV	45100					
Range of capture	MHz	±0,5					
Output voltage	V	+24					
	mA	60					
Mode	Mbaud	2 K, 8 K (DVB: EN 300744)					
Modulation		QPSK, 16 QAM, 64 QAM (DVB: EN 300744)					
F.E.C.		Auto, 1/2, 2/3, 3/4, 5/6, 7/8 (DVB: EN 300744)					
Guard interval		1/4, 1/8, 1/16, 1/32 (DVB: EN 300744)					
Diplexing through loss	dB±TOL	1.0 ±0,2					
RF Modulator							
Frequency range	MHz	46 - 862					
Frequency step	KHz	250					
Output channel		2 - 5 - 21 - S1 -	R1 - R4 R5 - R12 21 - 69 S1 - S41				
Modulation		VSB					
Output level	dBµV±TOL	85 ±2.0					
Output level adjustement	dB	>15					

905 DIGITAL TERRESTRIAL EQUIPMENT 905-TO COFDM-PAL transmodulators



CODE		9050147						
MODEL		TO-559						
Carrier / noise ratio (C/N)	dB	>60						
Audio signal / noise ratio	dB	>45						
Chroma-luminance delay	ns	<10						
No lineality of luminance	%	<3						
Differential gain	%	<3						
Differential phase	o	<3						
Response to the 2T pulse	%	<2						
Multiplexing through loss	%	0.9 ±0,1						
General Features								
Return loss		>15						
Connectors		F female						
Power supply	V	+3.3	+5.2	+12.0	+24.0			
	mA	670	310	110	0+Preamp			
Operating temperature	°C	-10+65						
Room temp with/without fan		-10+55/+45						
Protection index		IP 20C						
Units per packing		1						
Packing weight	Kg	1.10						
Packing dimensions	mm	265 x 165 x 40						

Programmable with PS-011