

912 TV-SAT AND MODULATOR EQUIPMENT

DVB-S/S2 DVB-C DOUBLE TRANSMOD DISEQC

Code : **9120217**

Model : **TQ-542**

Description

Transmodulator of free-to-air satellite digital television services o terrestrial digital television with DiSEqC. Each module selects the free-to-air services of two DVB-S/S2 satellite transponders and includes them in a DVB-C channel. Programmable using PC software and a wireless programmer.

Applications

Collective terrestrial digital television installations where it is necessary to distribute FTA satellite television services while avoiding the installation of satellite receivers. Allows channels from different satellites to be selected thanks to its DiSEqC control. Compatible with all collective TV installations since the channels can be distributed throughout the 47-862 MHz band.

Characteristics

Two independents tuners. Automatic error-detection system hich greatly reduces maintenance work on the installation. Generated output channel of outstanding quality. Zamak chassis with metal side panels. F-type connectors. The equipment can be ssembled quickly and easily.



CODE		9120217
MODEL		TQ-542
TV system		DVB-S / DVB-S2 → DVB-C EN 300421 EN 302307 EN 300429
Number of inputs		1 with duplexing or 2 independents
DVB-S/S2 receiver		
Frequency range	MHz	950-2150
Frequency step	MHz	1
LNB power supply	V	DiSEqC 2.0 +13V +18V 0/22KHz
	mA	350 max
Symbol rate	Mbaud	1..45
Diplexing through loss	dB	1 ±0.2
DVB-S2 receiver		
Input level	dBμV	45..95
	dBm	-63..-13
F.E.C. QPSK		Auto, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 DVB: EN 302307
F.E.C. 8PSK		Auto, 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 DVB: EN 302307
Roll off		0.35/0.25/0.20
DVB-S receiver		
Input level	dBμV	40..95
	dBm	-68..-13
F.E.C. QPSK		Auto, 1/2, 2/3, 3/4, 5/6, 7/8 EN 302307
DVB-C modulator		
Modulation		16 - 32 - 64 - 128 - 256 QAM
Bandwidth	MHz	9.2 max

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MER	dB	38 ± 2.0	
Symbol rate	Mbaud	1..8	
RF output			
Frequency range	MHz	47-862	
Frequency step	MHz	0.25	
Output level	dBµV	80 ± 2.0	
Output level adjustment	dB	20	
Spurious in band	dB	>60	
Roll off factor	%	15	
Carrier / Noise ratio (C/N)	dB	38	
Diplexing through loss	dB	0.9 ± 0.1	
General features			
Return loss	dB	>20	
Connection		F female	
Power supply	V _{DC}	+3,3	+5,2 +12
	mA	1600	320 40+LNB
Operating T close to equipment		-10..+65	
Room T with/without fan		-10..+55/+45	
Protection index		IP30	
Units per packing		1	
Packing weight	Kg	1.4	
Packing dimensions	mm	270 x 170 x 38	