

# 912

## TV-SAT AND MODULATOR EQUIPMENT

### DVB S2-QAM TRANSMOD TS PROCESSING CI



Code : **9120191**

Model : **TQ-533**

#### Description

Transmodulator of encrypted satellite digital television services to terrestrial digital television with DiSEqC. Each module selects the services from a DVB-S/S2 satellite transponder and includes them in a DVB-C channel. Equipped with a Common Interface slot for the insertion of the CAM and the subscriber's card. Programmable using PC software and a wireless programmer.

#### Applications

Collective digital cable TV installations where the aim is to distribute encrypted 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

Automatic error-detection system which greatly reduces maintenance work on the installation. Generated output channel of outstanding quality. Does not include the CAM or the decoder card. Zamak chassis with metal side panels. F-type connectors. The equipment can be assembled quickly and easily.

CODE		9120191
MODEL		TQ-533
TV system		DVB-S / DVB-S2 → DVB-C EN 300421 EN 302307 EN 300429
<b>DVB-S/S2 receiver</b>		
Frequency range	MHz	950-2150
Frequency step	MHz	1
Automatic frequency control	MHz	±2
Range of capture	MHz	±5
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
<b>DVB-S2 receiver</b>		
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
<b>DVB-S receiver</b>		
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
<b>DVB-C modulator</b>		
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		
<b>RF output</b>				
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		
<b>General features</b>				
Return loss	dB	>20		
Connection		F female		
Power supply	V <sub>DC</sub>	+3,3	+5,2	+12
	mA	1100	410+CAM	70+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		