

912 TV-SAT AND MODULATOR EQUIPMENT

DVB S2-QAM TRANSMODULATOR TS PROCESSING



Code : **9120150**

Model : **TQ-532**

Description

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

Applications

Collective digital cable TV installations where the aim is 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

Automatic error-detection system which 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 assembled quickly and easily.

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|-----------------------------|-------|--|
| MODEL | | TQ-532 |
| TV system | | DVB-S / DVB-S2 → DVB-C EN 300421 EN 302307 EN 300429 |
| DVB-S/S2 receiver | | |
| 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 13-18v (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 DVB: EN 302307 |
| DVB-C modulator | | |
| Modulation | | 16 - 32 - 64 -128 - 256 QAM |
| Bandwidth | MHz | 9.2 max |
| MER | dB | 38 ± 2.0 |
| Symbol rate | Mbaud | 1..8 |

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| MODEL | | TQ-532 | |
| RF output | | | |
| Frequency range | MHz | 47-862 | |
| Frequency step | MHz | 0.25 | |
| Output level | dB μ V | 80 \pm 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 \pm 0.1 | |
| General features | | | |
| Return loss | dB | >20 | |
| Power supply | V \cdots | +3,3 | +5,2 +12 |
| | mA | 1100 | 390 70+LNB |
| Operating T close to equipment | | -10.. \pm 65 | |
| Room T with/without fan | | -10.. \pm 55/ \pm 45 | |
| Protection index | | IP30 | |
| Units per packing | | 1 | |
| Packing weight | Kg | 1.4 | |
| Packing dimensions | mm | 270 x 170 x 38 | |