

TVC 06 - Mini Re-converter Quad

Art. Number 307641



TVC 06 Re-converter Quad

The TVC 06 is a mini optical-to-coax converter, which convert the frequency stacked optical signal sent from the Sat Fibre Optical Headend OTX into four switched universal coax signals like known from a Quad LNB. The converters also provide a coax DTT/DAB/FM signal multiplexed onto each TVQ output if terrestrial antennas are connected to the optical transmitter OTX.

- Built in AGC which allows a wide dynamic range of the optical signals on Fibre input with less deviation of the RF output level and signal quality.
- Two LED indicators display operational status.
- Energy saving by DC power supply via RF outputs from SAT receivers
- Optional external power supply for continuous operation available.
- Very compact and reliable die-cast housing

Technical Specifications

ORDER INFORMATION

EAN Number 5702663076419

OPTICAL CHARACTERISTICS

Optical budget for PON (max.) | dB 20 (with OTX) dB
 Optical input power | dBm -12.0 until 0.0 dBm
 Optical splitting in PON (max.) 32

CHARACTERISTICS

AGC (Automatic Gain Control) | dB 30 dB
 Horizontal High band (4.4 to 5.45 GHz) | MHz 1100...2150 (>15.5V 22KHz) MHz
 Horizontal Low band (3.4 to 4.4 GHz) | MHz 950...1950 (>15.5V) MHz
 Output level SAT | dBμV 75 dBμV
 Output level TER | dBμV 65 dBμV
 Vertical High band (1.95 to 3.0 GHz) | MHz 1100...2150 (>14.5V 22KHz) MHz
 Vertical Low band (0.95 to 1.95 GHz) | MHz 950...1950 (>14.5V) MHz



Technical Specifications

Wavelength | nm 1310/1550 nm

FREQUENCY RANGE

RF frequency range, horizontal polarities | GHz 3.4...5.45 GHz

RF frequency range, vertical polarities | GHz 0.95...3.0 GHz

TER frequency range DAB | MHz 174...240 MHz

TER frequency range DTT | MHz 470...854 MHz

TER frequency range FM | MHz 87...108 MHz

RETURN LOSS

Return Loss | dB 10 dB

ELECTRICAL

Impedance | Ω 75 Ω

OPERATIONAL

DC Current consumption | mA 125 (225mA@10V) mA

DC Operating voltage | VDC 10...20 VDC

PSU/adapter Art number 307657 (TPS323-20Vdc/1.2A)

PSU/adapter INFO Optional

Temperature - operating | $^{\circ}\text{C}$ -10...60 $^{\circ}\text{C}$

CONNECTORS

Connector IN Optical - FC/PC

Output connectors 4xF (4 x SAT/TER)

MECHANICAL

Dimensions product (H x D x W) | mm 128x115x27 mm

Packaging Depth | m 0.120 m

Packaging Height | m 0.030 m

Total Weight | kg 0.400 kg

Packaging Width | m 0.145 m

Net Weight | kg 0.370 kg

Remarks

Tara Weight | kg 0.030 kg

Packaging Volume | m³ 0.001 m³