

## TVQ 06 - Mini Re-converter Quatro

Art. Number 307640



### TVQ 06 Re-converter Quatro

TVQ 06 is a mini optical-to-coax converter which re-converts the frequency stacked optical signals sent from the Sat Fibre Optical Headend OTX into four legacy universal single coax signals like known from a Quatro LNB. The converter also provide the coax DTT/DAB/FM signal diplexed onto the separate TER 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 for power supply and optical input level.
- Energy saving by DC power supply via RF outputs from multiswitch unit
- Optional external power supply for continuous operation available.
- Compact and reliable die-cast housing

## Technical Specifications

### ORDER INFORMATION

EAN Number 5702663076402

### 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 fix, 1100 - 2150 MHz  
 Horizontal Low band (3.4 to 4.4 GHz) | MHz fix, 950 - 1950 MHz  
 Output level SAT | dBμV 79/74/69 (switchable) dBμV  
 Output level TER | dBμV 75 dBμV  
 Vertical High band (1.95 to 3.0 GHz) | MHz fix, 1100 - 2150 MHz  
 Vertical Low band (0.95 to 1.95 GHz) | MHz fix, 950 - 1950 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 |  $\Omega$  75  $\Omega$

### OPERATIONAL

DC Current consumption | mA <400 mA

DC Operating voltage | VDC 10...20 VDC

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

PSU/adapter INFO Optional

Temperature - operating | °C -10...60 °C

### CONNECTORS

Connector IN Optical - FC/PC

Output connectors 5xF (4xSAT + 1xTER)

### MECHANICAL

Dimensions product (H x D x W) | mm 120x80x26 mm

Packaging Depth | m 0.092 m

Packaging Height | m 0.034 m

Total Weight | kg 0.212 kg

Packaging Width | m 0.138 m

Net Weight | kg 0.183 kg

Remarks

Tara Weight | kg 0.029 kg

Packaging Volume | m3 0.000 m3