

## 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 provided from an Opto-LNB TOL or a TOU232-Kit (IRS 1) sidecar unit into four switched universal coax signals like a Quad LNB. The converters also provide a coax DTT/DAB/FM signal diplexed onto each output when it is inserted into the optical transmitter TOU 232 SA.

- 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.
- Easy mounting via a wall baseplate.
- Power supply via RF outputs from SAT receivers
- Optional external power supply for continuous operation available.

## Technical Specifications

### ORDER INFORMATION

EAN Number 5702663076419

### OPTICAL CHARACTERISTICS

Optical budget for PON (max.) | dB 19.0(@TOL 32, TOU 232) - 22.0(@TOL 64) dB  
 Optical input power | dBm -12.0 bis 0.0 @TOL32,TOU232 / -13.5 bis 0.0 @TOL 64 dBm  
 Optical splitting in PON (max.) 32(@TOL 32, TOU 232) - 64(@TOL 64)

### 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...241 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 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

Connector OUT F-female (4xSAT+TER)

Output connectors 4xF (4 x SAT+TER)

### MECHANICAL

Dimensions product (H x D x W) | mm 128x94x27 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 | m<sup>3</sup> 0.001 m<sup>3</sup>