

TOU 232 SA - Optical SAT-Fullband transmitter

Art. Number 307615



TRIAX TOU232 SA

The TOU232-SA is a stand alone 'Sidecar' optical transmitting unit for installations where the signal provided from a TWL01 LNB is combined with a DTT signal and converted into two 1310nm fibre signals. Each of the fibre signals can be splitted to up to 32 optical re-converterters on the optical reception side.

Up to four TOU232-SA standalone units can be combined by an active splitter (TAS04) for realization of more than 2x32 fibre outputs. To realize such a system you need to use 1 x TOU232-Kit (including the TWL01 LNB) for the first full installation, 1 x TAS04 Active Splitter and 1 x TOU232SA for every additional output out of the TAS04 you want to use. This gives you a possible total of 128, 192 or 256 optical outputs.

See Artnr. 307614

Technical Specifications

ORDER INFORMATION

EAN Number 5702663076150

OPTICAL CHARACTERISTICS

Optical output level (nom. @ 25 °C) dBm	2 x 7.0 dBm
Optical budget for PON (max.) dB	2 x 19.0 dB
Optical splitting in PON (max.)	2 x 32

CHARACTERISTICS

Wavelength nm	1310 nm
Laser class	1M
Fibre link distance max. (subject to PON loss) km	10 km
SAT-IF input frequency Vpol + Hpol GHz	0.95 - 5.45 GHz
SAT-IF gain Flatness Vpol (0.95 - 3.0 GHz) dB	< 4 dB
SAT-IF gain flatness Hpol (3.4 - 5.43 GHz) dB	7 (incl. 3 dB pre-emphase) dB
TER input level range DTT @ 6 transponders dBμV	70 (-3 +27) dBμV



Technical Specifications

TER input level range DAB dB μ V	-12 dB below DTT dB μ V
TER input level range FM dB μ V	70 (-3 +27) dB μ V

FREQUENCY RANGE

TER input frequency range DTT MHz	470 - 854 MHz
TER input frequency range DAB MHz	213 - 230 MHz
TER input frequency range FM MHz	87 - 108 MHz

GAIN

TER gain flatness dB	< 4 dB
TER noise figure dB	< 10 dB

OPERATIONAL

AC Supply voltage VAC	100...250 VAC
DC Operating voltage VDC	10...20 VDC
DC Current consumption mA	(incl. Full band LNB) < 500 mA
PSU/adaptor INFO	Included Euro Plug (CEE 7/17)
PSU/adaptor Art number	307657 (TPS323-20Vdc/1.2A)
Temperature - operating °C	-10...50 °C
Temperature - storage °C	-30...60 °C

CONNECTORS

Connector IN	N-connector 50 Ohm
Connector OUT	Optical - FC/PC
Connector power supply	F-female

MECHANICAL

Dimensions product (H x D x W) mm	140 x 145 x 30 mm
Packaging Height m	0.060 m
Packaging Width m	0.195 m
Packaging Depth m	0.265 m
Packaging Volume m ³	0.000 m ³
Net Weight kg	1.140 kg
Tara Weight kg	0.100 kg
Total Weight kg	1.240 kg
Remarks	Remote feed TER 11.5Vdc/<80mA