



TV-SAT optical receiver

FO-RX dCSS+DTT series

art. 19-012

FO-RX 2 OUT dCSS+DTT

Optical receiver that allows to convert optical signals in input into electrical signals. Equipped with a TV-SAT optical input and two TV-SAT outputs that working on legacy, SCR and dCSS mode. Ideal to distribute the signal to an apartment on Sky Q ready systems.

Equipped with connectors of different type:

- no. 1 FC/PC input connector for the optical signal;
- no. 2 output screw F-type connectors, where are the signals converted from optical to electric.

With AGC, that allows the automatic gain control to balance the optical loss of the system.

20V power supply unit is included.

A LED indicator allows to monitor the status of the receiver:

- Flashing green LED: indicates the absence of the RF input signal and/or the optical output signal;
- Fixed green LED: indicates the presence of the optical signal on output.

Characteristics

- Equipped with 2 legacy/SCR/dCSS TV-SAT outputs
- Equipped with AGC (automatic gain control)

Code	19-012
Item	FO-RX 2 OUT dCSS+DTT
No. optical inputs	1
No. TV-SAT RF outputs	2
Input connector	FC/PC
Outputs connectors	screw F type
Output SAT frequencies	MHz 950 ÷ 2150
FM TV output frequencies	MHz 88 ÷ 108
DAB TV output frequencies	MHz 174 ÷ 240
DTT TV output frequencies	MHz 470 ÷ 790
Output impedance	Ω 75
Wavelength	nm 1100 ÷ 1650
Return loss	dB SAT 10 ; DTT 8
Gain variation across bands	dB SAT 10 ; DTT 5
Typ. TV output level	dBμV 71 (for 6 MUXes)
Optical legacy SAT output level	dBμV 75
Optical SCR/dCSS SAT output level	dBμV 72
TV rejection	dB 35
SAT rejection	dB 35
Optical input power	dBm -12 min ; -3 max
Max current consumption	mA 430
Input voltage range	Vdc 20
Vertical select voltage	Vdc 11,5 min ; 14 max; 13 typ.
Horizontal select voltage	Vdc 16 min ; 19 max; 18 typ.
Low/high band	0/22 KHz tone
Optical cabling fibre type	single mode 9/125
Optical cabling fibre standard	G657A
Dimensions (LxWxH)	mm 136x135x46
Packaging dimensions (LxWxH)	mm 220x140x55
Packaging weight	Kg 0,680
Fit temperature	°C 0 ÷ +50
Storage temperature	°C -40 ÷ +70
POWER SUPPLY UNIT (included)	
Power supply	Vdc 20
Max delivered current	A 1,2
AC main tension	100-240 V~ 50/60Hz
Isolation class	II
Connector	Jack 2,1 mm

* The data may vary due to the signal levels transmitted by the satellite

Example of application

