



# 4 SAT IF distribution equipment

## Stand alone optical transmitters

- compact optical transmitter of 4 SAT IF and DTT signals
- built-in AGC system on every input
- wall mounting
- robust die-cast housing
- recommended power supply SGA25E12-1W
- connectors:  
RF inputs - type F  
optical - FC/APC  
screw terminal block for DC entry

### OT401

for 4 SAT IF sub-bands;  
LNB feeding possibility

### OT501W

for 4 SAT IF sub-bands and DTT signals with WDM diplexer;  
LNB and DTT preamplifier feeding possibility



### Technical specifications

T Y P E	OT401*	OT501W*
<b>Satellite inputs</b>		
Bandwidth	2x(950-1950) & 2x(1100-2150) MHz	
Input return loss / impedance	> 10 dB / 75 Ω	
RF input level (AGC range) for 30 transponders	60-80 dBμV (per transponder); 75-95 dBμV (total power)	
LNB remote feeding	V,Lo and V,Hi - 13.5 V; H,Lo and H,Hi - 18 V; 350 mA total	
<b>Terrestrial input</b>		
Bandwidth	-	47-862 MHz
Input return loss / impedance	-	> 10 dB / 75 Ω
RF input level (AGC range) for 8 transponders	-	60-80 dBμV (per transponder); 69-89 dBμV (total power)
Number of transponders	-	1...16
Preamplifier remote feeding	-	9 V 100 mA max.
<b>Optical output</b>		
Wavelength SAT & Terr	1310 nm**	1310 nm SAT** & 1550 nm DTT**
Optical output power	6 dBm	2 x 6 dBm
Optical return loss	> 45 dB	
<b>Main characteristics</b>		
Supply voltage	12 V - 24 V	
Power consumption without external load	9 W max.	11 W max.
Power consumption with max. external load	15 W max.	18 W max.
Operating temperature range	-10 °C ÷ + 40 °C	
Dimensions/Weight (packed)	108x190x54 mm/1.44 kg	

\* ordering information:

Type	Ordering number
OT401 6F31	03830
OT501W 6F31 & 6F55	03831

\*\* lasers with other optical wavelength are supplied by request