TERRA

2 SAT IF distribution equipment
Optical transmitter

- compact optical transmitter
  of 2 SAT IF and DTT signals
- built-in AGC system on every input
- LNB and DTT preamplifier feeding possibility
- 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



Technical specifications

T Y P E	OT301*
Satellite inputs	
Bandwidth	2 x (950-2150) 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	13 /18 V; 350 mA max. total
Terrestrial input	
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	12 V 100 mA max.
Optical output	
Wavelength SAT & Terr	1310 nm**
Optical output power	6 dBm
Optical return loss	> 45 dB
Main characteristics	
Supply voltage	12 V ± 1 V
Current consumption without external load	0.7 A max.
Current consumption with max. external load	1.25 A max.
Operating temperature range	-20 ÷ + 40 °C
Dimensions/Weight (packed)	108x190x54 mm/1.4 kg

* ordering information:

Type	Ordering number
OT301 6F31	03850

** lasers with other optical wavelength are supplied by request