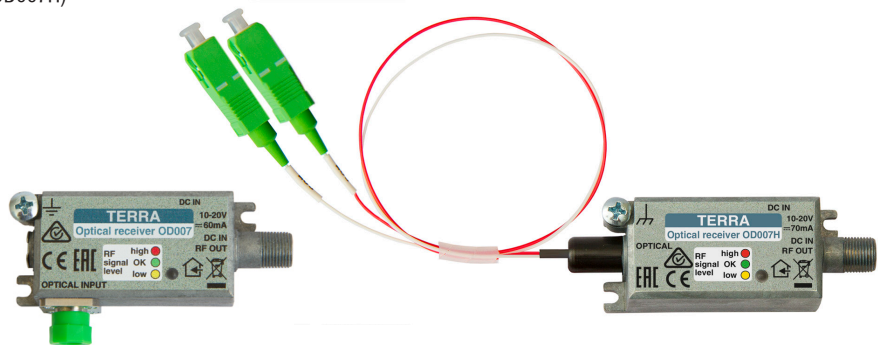




# 1 SAT IF distribution equipment

## Optical receivers

- compact optical receiver of SAT IF and DTT signals
- optical receiver with integrated WDM filter (OD007H)
- optimal price-performance ratio
- AGC based on RF signal output level
- LED indication of RF signal level
- robust die-cast housing
- recommended power supply  
SYS1381-1212-W2E
- connectors:  
DC IN & RF output - type F  
DC IN - 3.5/1.3 mm DC jack  
(reducer 5.5/2.1 mm in scope)



### Technical specifications

T Y P E		OD007	OD007H*
<b>Ordering number</b>		see ordering information*	
<b>Optical input</b>	wavelength for receiver	1100-1600 nm	1540-1560 nm
	wavelength pass	-	1260-1360 nm & 1480-1500 nm
	optical connector	see ordering information*	
	insertion loss	-	< 0.4 dB
	isolation	-	> 30 dB
	return loss input	> 40 dB	> 50 dB
	return loss output	-	> 40 dB
	input level** (AGC range)	-15 ÷ 0 dBm	
noise current density	≤ 7.0 pA/√Hz		
<b>RF output</b>	frequency range	47-2400 MHz	
	impedance	75 Ω	
	return loss	≥ 14 dB at 40 MHz -1.5 dB/oct., but not less 10 dB	
	frequency response	± 1.5 dB	3 dB (precorrection) ± 1.5 dB
	output level (AGC range) for 30 SAT IF transponders	70 dBμV (per transponder); 85 dBμV (total)	70 dBμV*** (per transponder); 85 dBμV (total)
<b>Supply voltage</b>		10 V...20 V	
<b>Current consumption</b>		60 mA max.	70 mA max.
<b>Operating temperature range</b>		-20° ÷ + 50° C	
<b>Dimensions/Weight (packed)</b>		71x39x19 mm/0.08 kg	90x27x19 mm/0.08 kg

\* ordering information:

Type	Connector COM-BOSA	Ordering number
OD007H HH	SC/APC - SC/APC	03881
OD007	FC/APC	03805

Receivers with other connectors are supplied by MOQ request.

\*\* optical input signal 4.9% OMI, 30 SAT IF transponders: OD007 - 1310 nm, OD007H - 1550 nm

\*\*\* at frequency 1300 MHz