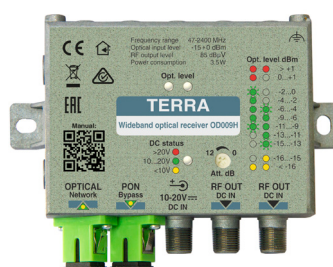




1 SAT IF distribution equipment

Optical receivers with 2 RF outputs

- compact optical receiver of SAT IF and DTT signals
- optical receiver with integrated WDM filter (OD009H)
- AGC based on optical input level
- LED indication of $-16 \div +1$ dBm optical signal level and DC powering voltage
- robust die-cast housing
- recommended power supply SYS1381N-1212-W2E
- connectors:
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		OD009*	OD009X*
Ordering number		see ordering information*	
Optical input	wavelength for receiver	1260-1620 nm	1545-1565 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	> 45 dB	> 50 dB
	return loss output	-	> 40 dB
	input level (AGC range)	$-15 \div 0$ dBm	
	noise current density	≤ 6 pA/ $\sqrt{\text{Hz}}$	
RF outputs	number	2	
	frequency range	47-2400 MHz	
	isolation	22 dB	
	impedance	75 Ω	
	return loss	≥ 12 dB up to 2400 MHz	
	frequency response	± 1.5 dB	
	output level (AGC range)	85 dB μ V per carrier**	
	spurious	< -40 dBc**	
	output level adjustment	$0 \div 12$ dB	
Supply voltage***		10 V \div 20 V	
Current consumption		12 V 250 mA max.	
Operating temperature range		$-20^\circ \div +50^\circ$ C	
Dimensions/Weight (packed)		116x88x25.5 mm/0.28 kg	

* ordering information:

Type	Connector IN-OUT	Ordering number
OD009 H	SC/APC	03884
OD009X HH	SC/APC - SC/APC	03889

Receivers with other connectors are supplied by MOQ request.

** optical input signal OMI 4.9%, 30 SAT IF transponders and 8 DTT channels

*** powering via RF outputs or dedicated 3.5/1.35 mm DC jack