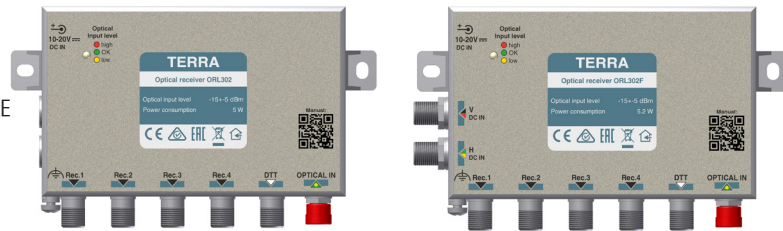




2 wideband SAT IF distribution equipment

Wideband & quad mode optical receivers

- compact optical receivers with 2 wideband, 4 legacy & DTT and separate DTT outputs
- standby mode of legacy section
- compatible with OTF302 optical transmitter
- built-in AGC system based on optical signal level
- powered via wideband outputs or from external PS
- robust die-cast housing
- recommended power supply SYS1381N-1212-W2E
- connectors:
RF outputs - F female
DC IN - 3.5/1.3 mm DC jack



Technical specifications

T Y P E		ORL302*	ORL302F*
Optical input			
Detection wavelength range		1100 - 1650 nm	
Input level (OLC range)**		-15 ÷ -5 dBm	
Wideband and DTT outputs			
Frequency range	SAT IF	-	2 x (290-2340 MHz)
	DTT	87.5-240 / 470-790 MHz	
Output level	SAT IF	-	75 dBμV
	DTT	75 dBμV	
Legacy outputs			
Numbers of outputs		4	
Frequency range	SAT IF	950-2150 MHz	
	DTT	87.5-240 / 470-790 MHz	
Output level	SAT IF	75 dBμV	
	DTT	75 dBμV	
Control commands		13 V / 18 V, 0 / 22 kHz	
General			
Internal IF		290-2340 MHz	
Return loss / impedance		> 10 dB / 75 Ω	
Supply voltage	DC input	10-20 V	
	wideband outputs	-	10-20 V
Power consumption	total	5.0 W	5.2 W
	legacy standby	2.5 W	2.7 W
Current consumption from legacy receiver		max. 60 mA	
Operating temperature range		-20 °C ÷ + 50 °C	
Dimensions/Weight (packed)		147x89x26 mm/0.4 kg	149x89x26 mm/0.4 kg

* ordering information:

Type	Connector IN	Ordering number
ORL302 E	FC/UPC	14849
ORL302F E	FC/UPC	14843

** the system performance depends on optical level