



1 SAT IF distribution equipment

Optical receivers

CABRIOLINE

- very compact optical receivers for cost sensitive installations with extended frequency range 2400 MHz
- electronic setting of all parameters
- AGC based on optical input level
- digital indication of optical input level and other parameters
- connectors:
RF output - type F
optical - SC/APC



Technical specifications		OD004	OD004A
TYPE			
Ordering number		02846	02847
Optical input	optical wave length	1100-1600 nm	
	optical input level (AGC range), switchable	-15 ÷ -6 / -8 ÷ 0 dBm	
	optical return loss	> 40 dB	
	noise current density	≤ 7.0 pA/√Hz	
RF output	frequency range	47-2400 MHz	
	impedance	75 Ω	
	return loss	≥ 14 dB at 40 MHz -1.5 dB/oct (47-950 MHz); ≥ 10 dB up to 1750 MHz; ≥ 7 dB up to 2400 MHz	
	frequency response	± 1.5 dB (47-2150 MHz)	
	gain adjustment (manual control mode)	31 dB by 1 dB step	
Output level* (AGC range),	-8 ÷ 0 dBm	78 dBμV	
optical input level	-15 ÷ -6 dBm	80 dBμV	
Output level* (CTB, EN50083-3)		90 dBμV	
Output level* (CSO, EN50083-3)		83 dBμV	
Max. output level IMD3=60 dB, 2 carries, 2150 MHz, Δf=10 MHz		104 dBμV	
Power consumption	230 V~ 50/60 Hz 4 W	230 V~ 50/60 Hz 4 W or DC 10-20 V 2 W	
Operating temperature range		-20° ÷ + 50° C	
Dimensions/Weight (packed)		133x73x39 mm/0.36 kg	

* optical input signal 4.9% OMI, 1310 nm

