TERRA

1 SAT IF distribution equipment

Optical receiver

CABRIOLINE

- very compact optical receiver 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

T Y P E			OD004A
Ordering number			02847
Optical input	optical wave lenght		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, +f=10 MHz			104 dBμV
Power consumption			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

