

1 SAT IF distribution equipment

Optical receivers

CTOD004



- 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 Foptical - SC/APC

Technical specifications

T Y P E		CTOD004
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; ≥7dB up to 2400 MHz
	frequency response	± 1.5 dB (47-2150 MHz)
	gain adjustment (manual control mode)	31dB by 1dB 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 4W
Operating temperature range		-20° — 50° C
Dimensions/Weight (packed)		133x73x39 mm/0.36kg

* optical input signal 4.9% OMI, 1310nm

