

OPTICAL RECEIVERS FOR GPON NETWORKS

RO 68 CWD / RO 88 CWD

Allows the optical signals reception, splitting CATV signal (RF) and IP packets (FIBER)

Wavelength pass 1310 / 1490 nm

RO 68 CWD: Passive mode. does not require voltage feeding

Reference		RO 68 CWD	RO 88 CWD
Code		270005	270004
Optical input			
Wavelength	nm	1540 - 1563	1540 - 1563
Pass wavelength	nm	1310 / 1490	1310 / 1490
Optical input level	dBm	+2/-14 digital (≥ 36 dB) +2/-6 analog (CNR > 45 dB)	+2/-20 digital (≥ 36 dB) +2/-10 analog (CNR > 45 dB)
Efficiency	A/W	$\geq 0,80/1310$ nm $\geq 0,85/1550$ nm	$\geq 0,85/1310$ nm $\geq 0,9/1550$ nm
Optical return loss	dB	> 50	> 55
Optical connector	-	SC/APC (IN/OUT)	SC/APC (IN/OUT)
RF output			
Frequency range	MHz	47 - 862	47 - 862
Flatness	dB	$\geq 1,5$	$\geq 0,75$
Output level	dB μ V	68	88
Return loss	dB	≥ 14	≥ 14
Output connector	-	F - female	F - female
General			
Voltage feeding	Vdc	Not required	12 (PSU included)
Power consumption	W	-	≤ 3
Working temperature	$^{\circ}\text{C}$	-20 - +55	-20 - +55

