

The TERRA OD005P is a compact but powerful MATV band optical receiver outputting up to 106dB μ V in AGC mode with a 42 channel loading. With interstage equaliser and slope control, it is straightforward to set up and operate.

Features and Benefits

- » 106dB μ V output level in auto gain control mode
- » Frequency range 47-862MHz
- » Optical wavelength 1100-1600nm with an optical input range -6 to 0dBm
- » 0-15dB attenuation and 0-8dB slope control
- » Robust die-cast housing
- » SC/APC optical interface
- » Optical input FC/APC



20MM-OD005P Specifications

Optical Input	Optical wave length	1100-1600nm
	Optical input level (AGC range), switchable	-6...0dBm
	Optical return loss	>40dB
	Noise current density	$\leq 6.5\text{pA}/\sqrt{\text{Hz}}$
RG output	Frequency range	47-862MHz
	Impedance	75 Ω
	Return loss	$\geq 14\text{dB}$ at 40MHz -1.5dB/oct but not less 10dB
	Frequency response	30.75dB
	Output level (AGC controlled, 4.9% OMI)	106 dB μ V
	Output level (CTB, En50083-3)*	106 dB μ V (42 ch.)
	Output level (CSO, EN50083.3)*	106 dB μ V (42 ch.)
	Interstage attenuator	0 to 15dB
	Interstage equalizer	0/4/8 dB
Loss in test point	-30 30.7dB	
Power consumption	230V~ 50/60Hz 7W	
Operating temperature range	-20° \div +50°C	
Dimensions/Weight (packed)	135x180x52mm/0.7kg	

* Output level (CTB, CSO) is measured with 8dB interstage equalizer