

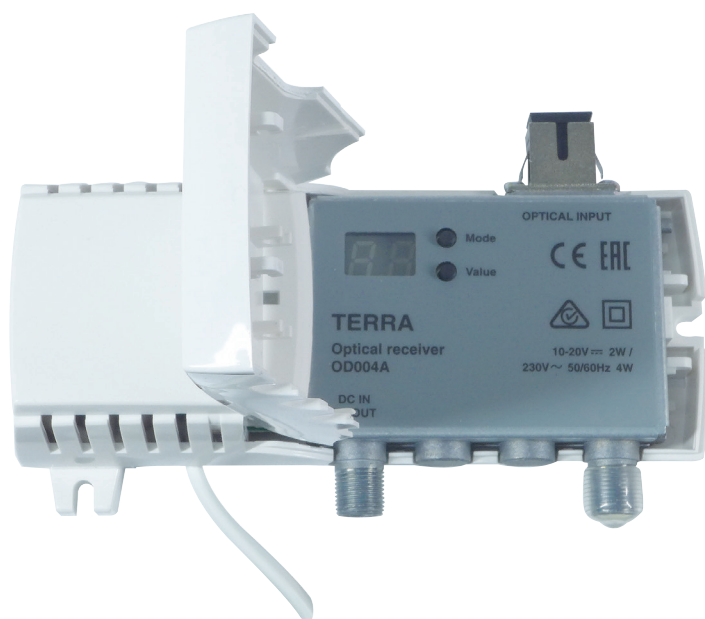
Terra Fibre Receiver 80dB μ V output with SC/APC connectors 47-2400MHz

20MM-OD004

Terra OD004 is a wide band fibre receiver suitable for both satellite and terrestrial frequencies. Supports wide band input of 47-2400MHz so is suitable for Pay TV and FTA single wire systems. Perfectly matched to Terra's MO418 and MO428 fibre transmitters.

Features and Benefits

- » Wide band Fibre Receiver for single wire Pay and FTA systems - 47-2400MHz
- » Optical input (AGC range) 0 to -8dBm and -6 to -15dBm switchable
- » Digital indication of optical input level and other parameters
- » AGC based on Optical input level
- » Can be 230VAC mains powered or remote powered by 10-20VDC input to RF output
- » Electronic setting of all parameters



20MM-OD004 Specifications

Optical input	optical wave length	1100-1600nm
	optical input level (AGC range), switchable	-15 \div -6/-8 \div 0dBm
	optical return loss	>40dB
	noise current density	\leq 7.0pA/ \sqrt Hz
RF output	frequency range	47-2400MHz
	impedance	75 Ω
	return loss	\geq 14dB at 40MHz -1.5dB/oct (47-950MHz); \geq 10dB up to 1750MHz; \geq 7dB up to 2400MHz
	frequency response	\pm 1.5dB (47-2150MHz)
Output level* (AGC range), optical input level	-8 \div 0dBm	78dB μ V
	-15 \div -6dBm	80dB μ V
Output level* (CTB, EN50083-3)		90dB μ V
Output level* (CSO, EN50083-3)		83dB μ V
Max. output level IMD3=60dB, 2 carries, 2150MHz, +f=10MHz		104dB μ V
Power consumption		230V- 50/60Hz 4W or DC 10-20V 2W
Operating temperature range		-20 $^{\circ}$ \div +50 $^{\circ}$ C
Dimensions/Weight (packed)		133x73x39mm/0.36kg

* optical input signal 4.9% OMI, 1310nm