



CATV range equipment

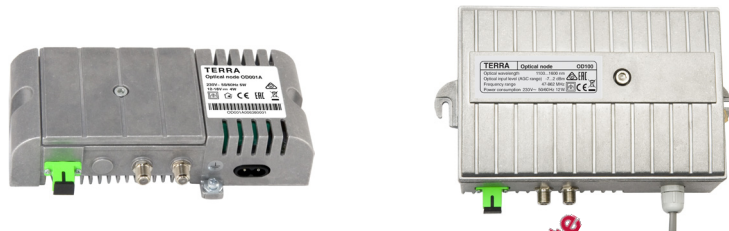
Optical receivers

- electronic setting of all parameters
- AGC based on optical input level
- thermal compensation of RF output level drift
- digital indication of optical input level and other parameters
- die-cast housing
- connectors:
RF output and test - type F
optical - SC/APC

OD001A
output level 94 dB μ V

OD002
output level 106 dB μ V

OD100
output level 113 dB μ V



Technical specifications

T Y P E	OD001A	OD002	OD100
Ordering number	02823	02824	02825
Optical wave length		1100-1600 nm	
Optical input level (AGC range)		-7 ...2 dBm	
Optical return loss		> 40 dB	
Noise current density		≤ 7.0 pA/ $\sqrt{\text{Hz}}$	
Frequency range		47-862 MHz	
Impedance		75 Ω	
Return loss		≥ 18 dB at 40 MHz-1.5 dB/oct	
Frequency response		± 0.75 dB	
Output level (AGC controlled, 4.9% OMI)	94 dB μ V	106 dB μ V	115 dB μ V
Output level CTB (EN60728-3)*	99 dB μ V (42 ch.)	107 dB μ V (42 ch.)	113 dB μ V (42 ch.)
Output level CSO (EN60728-3)*	101 dB μ V (42 ch.)	110 dB μ V (42 ch.)	113 dB μ V (42 ch.)
Interstage attenuator	pr.	0-10 dB by 0.5 dB step	0-15.5 dB by 0.5 dB step
Interstage equalizer	pr.	0/5/10 dB	0-15.5 dB by 0.5 dB step
Loss in test point		-20 dB ± 0.7 dB	
Power consumption	230V~50/60 Hz 5 W or DC 12-18 V 4 W	230 V~ 50/60 Hz 6 W	230 V~ 50/60 Hz 12 W
Operating temperature range		-20° \div + 50° C	
Dimensions/Weight (packed)	185.5x95x47 mm/0.9 kg		213x138x76 mm (with fixing ears)/1.35 kg

obsolete

* output level (CTB, CSO) is measured with 5 dB (6 dB - OD100) interstage equalizer

pr. software control

