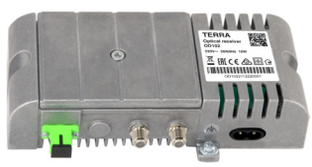
CATV range equipment
Optical receivers

- electronic setting of most 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



Technical specifications

T Y P E	OD012*	OD102*
Ordering number	see ordering information*	
Optical wavelenght	1100-1600 nm	
Optical input level (OLC range)	-9 ...2 dBm	
Optical return loss	> 40 dB	> 45 dB
Noise current density	≤ 6.5 pA/√Hz	
Frequency range pr.	47-862 / 1006 MHz	
Impedance	75 Ω	
Return loss	≥ 14 dB at 40 MHz-1.5 dB/oct	≥ 18 dB at 40 MHz-1.5 dB/oct
Frequency response	± 0.75 dB	
Output level (OLC controlled, 3.5% OMI)	108 dBμV	114 dBμV
Output level CTB/CSO (EN60728-3)**	108 dBμV (42 ch.)	114 dBμV (42 ch.)
Interstage attenuator pr.	0-15.5 dB by 0.5 dB step	
Interstage equalizer pr.	0-15.5 dB by 0.5 dB step	
Loss in test point	-20 dB ± 0.7 dB	
Power consumption	230 V~ 50/60 Hz 7.5 W	230 V~ 50/60 Hz 10 W
Operating temperature range	-20° ÷ + 50° C	
Dimensions/Weight (packed)	185.5x95x47 mm/0.9 kg	

* ordering information:

Type	Connector IN	Ordering number
OD012 H	SC/APC	02827
OD102 H	SC/APC	02826

** output level (CTB, CSO) is measured with 9 dB interstage equalizer, OMI 3.5%, OLC on, 1310 nm, @-3 dBm

pr. software control

