



# Optical nodes

## 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 dBμV

**OD002**

output level 106 dBμV

**OD100**

output level 113 dBμV



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		
Noise current density	≤ 7.0 pA/√Hz		
Frequency range	47-862 MHz		
Impedance	75 Ω		
Return loss	18 dB/40 MHz-1.5 dB/oct		
Frequency response	± 0.75 dB		
Output level (AGC controlled, 4.9% OMI)	94 dBμV	106 dBμV	115 dBμV
Output level (CTB, EN50083-3)*	99 dBμV (42 ch.)	107 dBμV (42 ch.)	113 dBμV (42 ch.)
Output level (CSO , EN50083-3)*	101 dBμV (42 ch.)	110 dBμV (42 ch.)	113 dBμV (42 ch.)
Interstage attenuator	0-10 dB by 0.5 dB step		0-15.5 dB by 0.5 dB step
Interstage equalizer	0/5/10 dB		0-15.5 dB by 0.5 dB step
Loss in test point	-20 dB ± 0.7 dB		
Power consumption	230 V~ 50 Hz 5 W or DC 12-18 V 4 W	230 V~ 50 Hz 6 W	230 V~ 50 Hz 12 W
Operating temperature range	-20° ÷ + 50° C		
Dimensions/Weight (packed)	185.5x95x47 mm/0.9 kg		213x138x76 mm (with fixing ears)/1.35 kg

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

pr. software control

