

Forward Parameters

Wavelength	1100 + 1600 nm
Optical AGC range	-8 + +2 dBm
EINC ¹	5.0 pA/√Hz
Frequency range	85/110/258 + 1002 MHz
Flatness ²	± 1.0 dB
Output level ³ :	
CTB ≤ -58dBc	1 x 117 dBμV
CSO ≤ -58dBc	1 x 117 dBμV
Gain limited output level ⁴	1 x 118 dBμV
Number of outputs ⁵	1 active, with passive splitting to 2

Return Parameters

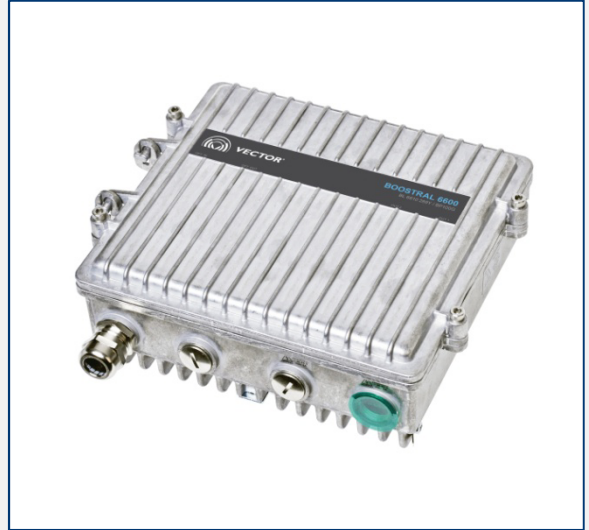
Frequency range	5 + 65/85/204 MHz
Flatness	± 1.0 dB
Optical output power ⁶	3 and 6 dBm
Available lasers:	WDM DFB: 1310nm, 1550nm CWDM DFB: 1310nm, 1330nm, ..., 1610nm (16 wavelengths)
Min RF input level to get 10% OMI ⁷	70 dBμV
OMI stabilization	± 2 dB

Others

Return loss ⁸	> 18 dB
AC voltage range:	
remote powering	30 + 65 V AC
mains powering	230 VAC ± 10%
Max. current for RF / AC IN ports	5 / 7 A
Power consumption ⁹	< 24 W
Operation temperature range	-40 + 60 °C
Optical connectors ¹⁰	SC/APC
Connectors type	PG11
Protection class	IP 67
Dimensions (W x L x H)	245 x 204 x 91 mm
Monitoring	HMS, EDCM

Available versions

BOOSTRAL 6610 / BP100G 289 Y	remote powering
BOOSTRAL 6610 / BP100G 289 M	mains powering



1 GHz technology

An extended bandwidth in downstream up to 1 GHz



200 MHz technology

A possibility of extending bandwidth in upstream up to 200 MHz



GREEN mode – Intelligent Power Consumption

A significant reduction of power use thanks to optimization of its consumption



GaN Technology

The Output parameters for analog and digital carriers improved for lower power consumption



Electronic adjustment

A quick and uninterrupted device configuration; the large stocks of the plug-in modules not needed anymore



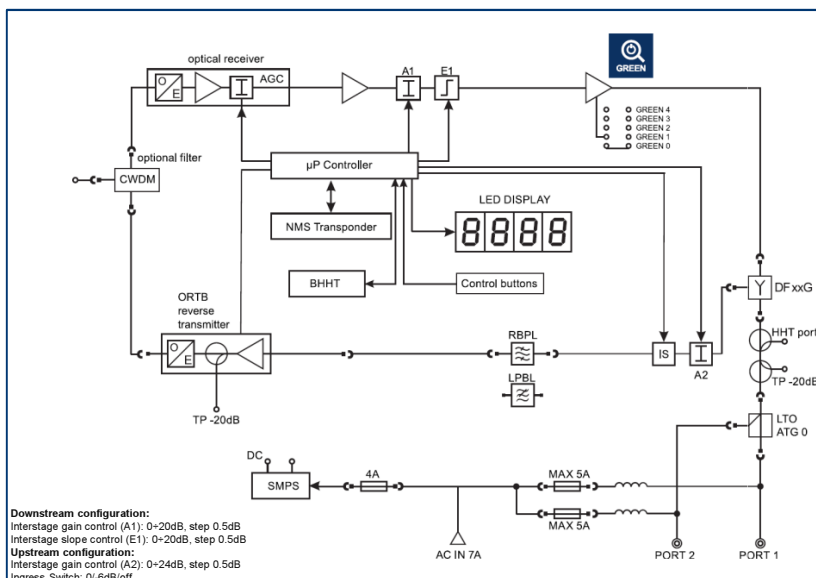
Integration of optical passives

A possibility of installing CWDM/DWDM/WDM filters inside the housing



NMS transponder

Reduced operating costs thanks to the remote monitoring and configuration (HMS, EURODOCIS on request)



1. Typical value
 2. Typical value measured 10MHz above DF roll-off
 3. According to EN 50083-3; 9dB slope between 85-862MHz; 42 channels CENELEC; typical value
 4. AGC OFF; 3.25% OMI; -8 dBm optical input level; 1310nm
 5. Unbalanced split with LTO 10xx
 6. For CWDM lasers (1310nm, ..., 1610nm); 3dBm WDM 1310&1550nm; 0dBm FP 1310nm
 7. With reverse A2=5dB
 8. 18dB for f ≤ 40MHz, 18dB -1.5dB/oct for f >40MHz
 9. An optical node equipped with a single FWD receiver and single REV transmitter
 10. Others on request
 11. Slope defined between 40 MHz and 1 GHz, cable shape equalizer

Unless otherwise specified, the whole specification is tested with split band 65/85 MHz; GREEN = 0; at room temperature 25°C

10/16/2014 Specifications are subject to change without notice.