

Optical parameters

Wavelength ¹	1100 – 1600 nm
Optical input power range ²	-8 – 2 dBm
Equivalent input noise current ³	< 5 pA/√Hz

RF Parameters

Forward Channel

Forward bandwidth	54...260 – 1006 MHz
Gain limited output level ⁴	119 ± 1 dBμV
Flatness ⁵	± 0.75 dB
Slope ⁵	± 1 dB
Output level ⁶ : CTB ≤ -60dBc CSO ≤ -60dBc	117 dBμV 117 dBμV
CNR ⁷	51.5 dBc
Interstage gain control (A1)	0 – 20 step 0.5 dB
Interstage slope control (E1) ⁸	0 – 20 step 0.5 dB

Reverse Channel

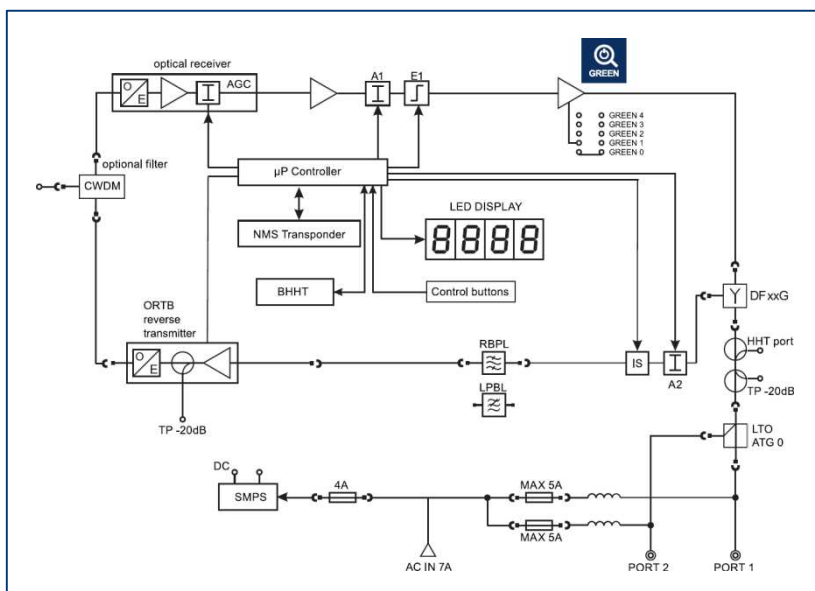
Bandwidth	5 – 42... 200 MHz
Transmitter OMI ⁹	10 %
Flatness	± 1 dB
Reverse gain control (A2)	0 – 24 step 1 dB
HUM modulation @ 5A ¹⁰	< -60 dBc

Others

Return loss ¹¹	≥ 18 dB
Test points	-20 ± 0.75 dB
AC voltage range: remote powering mains powering	30 – 65 V AC 110 – 230 ± 10% V AC
Max. current for RF / AC IN ports	5 / 7 A
Power consumption ¹²	< 21 W
Operation temperature range	-40 – 60 °C
Optical connectors ¹³	SC/APC
Number of RF ports / connectors types	2 / PG11
Protection class	IP 67
Dimensions (W x L x H) ¹⁴	245 x 199 x 90 mm
Weight	2.4 kg

Available versions

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



1GHz technology

Extended bandwidth in downstream up to 1GHz



200MHz technology

Possibility of extending bandwidth in upstream up to 200MHz



GREEN mode – Intelligent Power Consumption

Significant reduction of power consumption through optimization of its use



GaN Technology

Improved output parameters for analog and digital carriers, at a lower power consumption



FTTB (Fiber To The Building) design

Device is designed for use in modern FTTB architecture



Low Noise Receiver

Optimization of CAPEX by reducing the number of required active devices



NMS transponder

Reduced operating costs thanks to remote monitoring and configuration



HHT (Hand Held Terminal) support

Quick and intuitive configuration of devices, and electronic documentation of the network



Electronic adjustment

Fast and uninterrupted device configuration, and elimination of the need for large stock of plug-in modules



CMS (Craft Management Software) compliant

Easy and convenient network documentation thanks to CMS software

- Gain limited output level defined for 1310nm, optical input power indicator calibrated for 1310nm
- Range of AC
- < 5pA/√Hz typical value
- 4.0% OMI/channel, single carrier; input wavelength 1310nm, AGC=ON
- Measured 10MHz above duplex filter roll-off and with ATG 0
- According to EN 50083-3, 9dB slope between 85 to 862MHz, 42 channels CENELEC, value measured & guaranteed per each product
- Noise bandwidth=4.75MHz, input optical power=-3dBm, 112dBμV output level, AGC=OFF, A1=A2=E1=0
- Slope defined between 40MHz and 1GHz, cable shape equalizer
- For 65dBμV at input port (75.5dBμV on reverse TP), IS=OFF, reverse attenuator=0dB
- f > 15MHz, room temperature
- 18dB for 7MHzsf ≤ 40MHz, 18dB - 1.5dB/oct for f > 40MHz, but ≤ 11dB
- Sinus 30V AC, without plug-in modules; with transmitter and NMS transponder < 26W, Intelligent Power Consumption mode with transmitter < 16W
- Others on request
- Dimensions with wall mounting hinges: 263x227x90mm

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

8/26/2013 Specifications are subject to change without notice.