

OPTICAL BROADBAND RECEIVERS WITH HIGH POWER OUTPUT FOR CATV APPLICATIONS

PRODUCT OVERVIEW

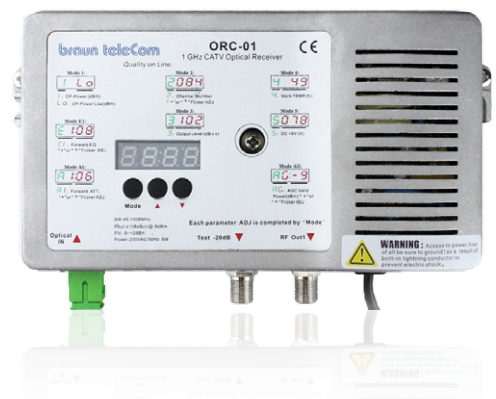
“BTV-ORC-01”

Parameter	BTV-ORC-01
Max. optical input power [dBm]	-9 - +2
Responsivity [A/W]	0.85
Switching time [ms]	≤ 10
Optical return loss [dB]	45
Optical connectors input	SC/APC
Operation bandwidth [MHz]	45 - 1006
Output level [dBμV]	110 (-9 - +2 dBm i) 112 (-8 - +2 dBm i)
Flatness [dB]	-0.75 - +0.75
Return loss [dB]	14
Test point [dB typ.]	-20
Composite Second Order (CSO) [dB]	60 ¹⁾
Composite Triple Beat (CTB) [dB]	60 ¹⁾
Carrier-to Noise (C/N) [dB]	51 ¹⁾
Supply voltage [VAC]	150 ... 265
Operating temperature range [°C]	-20 - +55
Storage temperature range [°C]	-40 - +60
Power consumption [W]	8
Operating wavelength [nm]	1100 - 1600
Item No.	65905

¹⁾ At P IN = -1 dBm, P OUT = 106 dBμV, 42 CH CENELEC, OMI = 3.5 %

ADDITIONAL INFORMATION

- Optical status indication by LEDs
- Integrated test point for the RF output
- Very high and constant RF output level within the whole optical input power range by an integrated automatic gain control (AGC)
- Connector types: SC/APC (optical) and F-females
- Dimensions: approx. 190 x 110 x 52 mm (W x H x D)
- Weight: approx. 0.4 kg



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