

4.5 RF Modules

4.5.1 CATV RF Optical receivers

New products in blue block (release dates: chapter 1.1 New Products).

Type Number	Frequency Range	Rmin (V/W)	Slope (dB)	FL (dB)	S22 (dB)	d3	d2	@fm (MHz)	@Pi (mW)	F@ fmax	Conn.	Itot (mA)
5 - 300 MHz Optical Reverse Receiver												
BGO387	5 - 300	800	0 - 2	± 0.3	16	-80	-70	54.25	1	7.5	-	190
40 - 750 MHz Forward Path Receiver												
BGO747	40 - 750	800	0 - 2	1	11	-75	-63	746.5	1	7	-	205
BGO747/FC0	40 - 750	750	0 - 2	1	11	-75	-63	746.5	1	7	FC	205
BGO747/SC0	40 - 750	750	0 - 2	1	11	-75	-63	746.5	1	7	SC	205
40 - 860 MHz Forward Path Receiver												
BGO807	40 - 870	800	0 - 2	1	11	-71	-55	854.5	1	8.5	-	205
BGO807/FC0	40 - 870	750	0 - 2	1	11	-71	-55	854.5	1	8.5	FC	205
BGO807/SC0	40 - 870	750	0 - 2	1	11	-71	-55	854.5	1	8.5	SC	205
BGO827	40 - 870	800	0 - 2	1	11	-73	-57	854.5	1	9	-	205
BGO827/FC0	40 - 870	750	0 - 2	1	11	-73	-57	854.5	1	8.5	FC	205
BGO827/SC0	40 - 870	750	0 - 2	1	11	-73	-57	854.5	1	8.5	SC	205
BGO847	40 - 870	800	0 - 2	1	11	-73	-63	854.5	1	8	-	205
BGO847/SC0	40 - 870	750	0 - 2	1	11	-73	-63	854.5	1	8	SC	205
CGO869	40 - 870	800	0 - 2	1.1	11	-69	-61	854.5	0.5	6.5	-	205
CGO869/SC0	40 - 870	800	0 - 2	1.1	11	-69	-61	854.5	0.5	6.5	SC	205

***) NOTES:**

This table is for reference only: it contains some calculated values that are not guaranteed. For full data please refer to the latest datasheet.

Some parts may still be in development. For availability please check the Philips Sales office.

Description (also see datahandbook):

- Frequency Range Minimum and maximum frequency in MHz at which data are characterized
- @Ch@Vo The number of channels and the output voltage at which CTB, Xmod, CSO and d2 are characterized
- @fm Measurement frequency
- F Noise Figure in dB or Noise in pA/Sqrt(Hz)
- FL Flatness
- Rmin Minimum Responsivity of optical receivers