

Channel Filters

[Product Portfolio]

- Available from 4 to 13 GHz (from WR187 to WR75);
- Input: UER-compatible flange;
- Output: 90° SMA-female connector;
- Bandwidths from 28 MHz to 56 MHz with the same mechanical body;
- Return loss ≥ 20 dB in all cases;
- Invar technology for temperature stability.



Channel Filters – cont.



[Product Portfolio]

Frequency	Code	Tuning Range (GHz)	BW (MHz)	RL (dB)	IL (dB) ²	# of Poles	Input/ Output	Dimensions (mm)
4 GHz	N04-BW-XXXXXXXX ¹	3.6 – 4.2	28 to 56	≥ 20	≤ 1.3 (28 MHz) ≤ 1.1 (56 MHz)	5	UER48 Compatible SMA Female	236 x 70.6 x 45.2
5 GHz	N05-BW-XXXXXXXX ¹	4.4 – 5.0	28 to 56	≥ 20	≤ 1.4 (28 MHz) ≤ 1.1 (56 MHz)	5	UER48 Compatible SMA Female	236 x 70.6 x 45.2
L6 GHz	N06LBW-XXXXXXXX ¹	5.9 – 6.4	28 to 56	≥ 20	≤ 1.3 (28 MHz) ≤ 1.1 (56 MHz)	5	UER70 Compatible SMA Female	194 x 57.94 x 38.9
U6 GHz	N06UBW-XXXXXXXX ¹	6.4 – 7.1	28 to 56	≥ 20	≤ 1.8 (28 MHz) ≤ 1.5 (56 MHz)	6	UER70 Compatible SMA Female	174 x 57.94 x 38.9

¹ BW is the filter's bandwidth in MHz and XXXXXXXX is the filter's central frequency in kHz (for example: N04-28-04037500 is the code of a filter with BW=28 MHz and central frequency $f_0 = 4037.5$ MHz).

² These are maximum guaranteed values; typical values are usually lower; feel free to ask for more information.



Channel Filters – cont.



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Frequency	Code	Tuning Range (GHz)	BW (MHz)	RL (dB)	IL (dB) ²	# of Poles	Input/ Output	Dimensions (mm)
7 GHz	N07-BW-XXXXXXXX ¹	7.1 – 7.9	28 to 56	≥ 20	≤ 1.9 (28 MHz) ≤ 1.7 (56 MHz)	6	UER84 Compatible SMA Female	200 x 51.2 x 34.9 ³ 184 x 51.2 x 34.9 ³
8 GHz	N08-BW-XXXXXXXX ¹	7.7 – 8.5	28 to 56	≥ 20	≤ 2.2 (28 MHz) ≤ 1.1 (56 MHz)	6	UER84 Compatible SMA Female	184 x 51.2 x 34.9 ³ 171 x 51.2 x 34.9 ³
10 GHz	N10-BW-XXXXXXXX ¹	10.0 – 10.7	28	≥ 20	≤ 2.2	5	UER100 Compatible SMA Female	126 x 44.9 x 32.2
11 GHz	N11-BW-XXXXXXXX ¹	10.7 – 11.7	28 to 56	≥ 20	≤ 2.7 (28 MHz) ≤ 2.0 (56 MHz)	5	UER100 Compatible SMA Female	116 x 44.9 x 32.2 ³ 111 x 44.9 x 32.2 ³

¹ BW is the filter's bandwidth in MHz and XXXXXXXX is the filter's central frequency in kHz; for example: N04-28-04037500 is the code of a filter with BW=28 MHz and central frequency $f_0 = 4037.5$ MHz.

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³ Filter's length depends on central frequency f_0 .



Channel Filters – cont.



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Frequency	Code	Tuning Range (GHz)	BW (MHz)	RL (dB)	IL (dB) ²	# of Poles	Input/ Output	Dimensions (mm)
13 GHz	N13-BW-XXXXXXXX ¹	12.75 – 13.25	28	≥ 20	≤ 2.9	5	UER120 Compatible SMA Female	160 x 41.0 x 31.0 ³ 155 x 41.0 x 31.0 ³

¹ BW is the filter's bandwidth in MHz and XXXXXXXX is the filter's central frequency in kHz; for example: N04-28-04037500 is the code of a filter with BW=28 MHz and central frequency $f_0 = 4037.5$ MHz.

² These are maximum guaranteed values; typical values are usually lower; feel free to ask for more information.

³ Filter's length depends on central frequency f_0 .

