

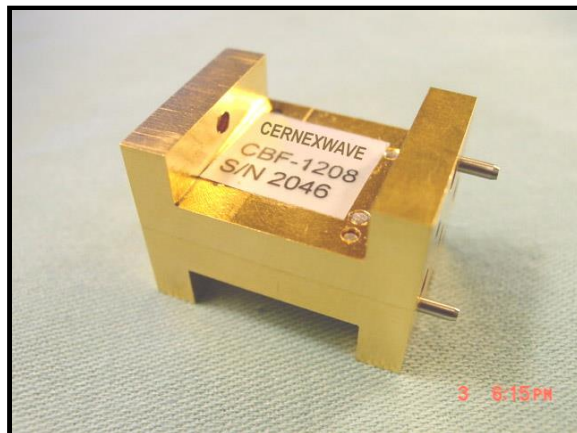
## Band Pass Filters (Waveguide & Coaxial)

### FEATURES:

- ❖ Frequency up to 170GHz
- ❖ Low Cost
- ❖ Low VSWR
- ❖ Narrow Bandwidths
- ❖ High Rejection Levels
- ❖ Low in-Band Insertion

### APPLICATIONS:

- ❖ Side Band Filters
- ❖ Frequency Diplexers
- ❖ Telecommunications Systems



### DESCRIPTION:

### CBF Series

**Cernexwave's CBF** series band pass filter is primarily used for narrow band applications. Pass bands are typically from 1% to 4%. This design is well suited for frequency diplexers used in communication systems or any applications where narrow bandwidths are required. Insertion losses are typically in the 0.8 dB to 2.0 dB area depending upon rejection levels. The CBF series band pass filter can be designed from 3 to 170 GHz up to 30% bandwidths in 16 waveguide Bands. Please consult Cernexwave for further dimensions and specific technical data.

### SPECIFICATIONS:

#### LC:

Model Number	Frequency Range (MHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBFV8U11845B	81.5-108.5	1.8	*	45@72MHz	45@118MHz	*	*
CBFV9U11470B	95.0-145.0	1.4	*	70@50MHz	70@190MHz	*	40.4 x 12 x 10
CBFU1U13060B	100.0	3.0	*	60@20MHz	60@180MHz	*	*
CBFU1U13075B	100.0	3.0	*	75@80MHz	75@120MHz	*	30 x 12 x 10
CBFU1U17560B	100.0	7.5	*	65@90MHz	60@110MHz	*	40.4 x 12 x 10
CBFU1U12885B	100.0	2.8	*	85@50MHz	85@150MHz	*	30 x 12 x 10
CBFU1U13080B	100.0	3.0	*	80@70MHz	80@130MHz	*	30 x 12 x 10
CBFU1U12480B	100.0	2.4	*	80@50MHz	80@150MHz	*	40.4 x 12 x 10
CBFU1U14050B	100.0	4.0	*	50@90MHz	50@110MHz	*	40.4 x 12 x 10
CBFU1U13004B	100.6	3.0	*	4@96MHz	4@104MHz	*	30 x 12 x 10
CBFU1U11850B	105.0-175.0	1.8	*	50@85MHz	50@195MHz	*	40.4 x 12 x 10
CBFU1U21830B	108.0-270.0	1.8	*	30@885MHz	30@290MHz	*	40.4 x 12 x 10
CBFU1U16060B	110.0	6.0	*	60@100MHz	60@120MHz	*	50.9 x 9.5 x 9.5
CBFU1U11850B	112.0-168.0	1.8	*	50@92.6MHz	65@187.6MHz	*	40.4 x 12 x 10
CBFU1U14665B	113.5-141.5	4.6	*	65@122.5MHz	65@152.5MHz	*	*
CBFU1U14513B	115.0	4.5	*	13@110MHz	13@120MHz	*	40.4 x 12 x 10

## Band Pass Filters (Waveguide & Coaxial)

Model Number	Frequency Range (MHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBFU1U11650B	117.5-157.5	1.6	*	65@67.5MHz	50@207.5MHz	*	40.4 x 12 x 10
CBFU1U12860B	120.0	2.8	*	60@900MHz	65@150MHz	*	30 x 12 x 10
CBFU1U13340B	120.0	3.3	*	40@108MHz	40@132MHz	*	40.4 x 12 x 10
CBFU1U16865B	120.0	6.8	*	65@110MHz	65@130MHz	*	50.9 x 9.5 x 9.5
CBFU1U13570B	120.0	3.5	*	70@80MHz	70@160MHz	*	*
CBFU1U14075B	120.0	4.0	*	75@100MHz	75@140MHz	*	40.4 x 12 x 10
CBFU1U11960B	120.0-180.0	1.9	*	70@90MHz	60@210MHz	*	40.4 x 12 x 10
CBFU1U21240B	120.0-200.0	1.2	*	40@94MHz	40@226MHz	*	40.4 x 12 x 10
CBFU1U12645B	124.0-156.0	2.6	*	50@110MHz	45@170MHz	*	*
CBFU1U12045B	126.5-153.5	2.4	*	45@116MHz	45@164MHz	*	*
CBFU1U12855B	127.0-153.0	2.8	*	60@110MHz	55@170MHz	*	*
CBFU1U17060B	130.0	7.0	*	60@120MHz	60@140MHz	*	50.9 x 9.5 x 9.5
CBFU1U14570B	133.5-143.5	4.5	*	70@122.5MHz	70@152.5MHz	*	*
CBFU1U14850B	139.75-150.25	4.8	*	70@130MHz	50@160MHz	*	40.4 x 12 x 10
CBFU1U17465B	140.0	7.4	*	65@130MHz	65@150MHz	*	50.9 x 9.5 x 9.5
CBFU1U12640B	144.0	2.6	*	40@114MHz	40@174MHz	*	*
CBFU1U12480B	150.0	2.4	*	80@100MHz	80@200MHz	*	40.4 x 12 x 10
CBFU1U17460B	150.0	7.4	*	60@140MHz	60@160MHz	*	50.9 x 9.5 x 9.5
CBFU1U12940B	150.0-170.0	2.9	*	40@140MHz	40@180MHz	*	40.4 x 12 x 10
CBFU1U12815B	154.75-185.25	2.8	*	15@150.5MHz	15@189.5MHz	*	30 x 12 x 10
CBFU1U12818B	155.0-185.0	2.8	*	18@150MHz	18@190MHz	*	30 x 12 x 10
CBFU1U13112B	157.0-175.0	3.1	*	12@155MHz	12@181MHz	*	40.4 x 12 x 10
CBFU1U17565B	160.0	7.5	*	65@150MHz	65@170MHz	*	50.9 x 9.5 x 9.5
CBFU1U11980B	160.0	1.9	*	80@80MHz	80@240MHz	*	30 x 12 x 10
CBFU1U14570B	160.0	4.5	*	70@140MHz	70@180MHz	*	40.4 x 12 x 10
CBFU1U12460B	160.0	2.4	*	60@110MHz	60@210MHz	*	*
CBFU1U12940B	160.0	2.9	*	40@130MHz	40@190MHz	*	*
CBFU1U12428B	160.0-180.0	2.4	*	29@150MHz	28@190MHz	*	40.4 x 9.5 x 9.5
CBFU1U12435B	165.0-186.0	2.4	*	35@150MHz	60@216MHz	*	30 x 12 x 10
CBFU1U12380B	170.0	2.3	*	80@70MHz	80@270MHz	*	*
CBFU1U21950B	170.0-200.0	1.9	*	50@145MHz	50@225MHz	*	40.4 x 12 x 10
CBFU1U12180B	170.5-185.5	2.1	*	80@102MHz	80@254MHz	*	40.4 x 12 x 10
CBFU1U16075B	171.25	6.0	*	75@151.25MHz	80@191.25MHz	*	40.4 x 9.5 x 9.5
CBFU1U22715B	174.75-205.25	2.7	*	15@170MHz	15@210MHz	*	30 x 12 x 10
CBFU1U16575B	175.0	6.5	*	75@205MHz	80@245MHz	*	40.4 x 9.5 x 9.5
CBFU1U22920B	175.0-205.0	2.9	*	20@170MHz	20@210MHz	*	30 x 12 x 10
CBFU1U51145B	175.0-525.0	1.1	*	45@120MHz	70@580MHz	*	*
CBFU1U11685B	180.0	1.6	*	85@80MHz	85@280MHz	*	30 x 12 x 10
CBFU1U22950B	180.0-210.0	2.9	*	50@165MHz	50@225MHz	*	40.4 x 12 x 10

## Band Pass Filters (Waveguide & Coaxial)

Model Number	Frequency Range (MHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBFU1U21980B	180.0-220.0	1.9	*	80@100MHz	80@300MHz	*	30 x 12 x 10
CBFU1U23135B	181.0-202.0	3.1	*	35@166MHz	55@232MHz	*	30 x 12 x 10
CBFU1U17880B	183.75	7.8	*	80@163.75MHz	80@203.75MHz	*	40.4 x 9.5 x 9.5
CBFU1U14040B	185.0-195.0	4.0	*	40@180MHz	40@200MHz	*	*
CBFU1U23075B	189.0-211.0	3.0	*	75@157.5MHz	75@242.5MHz	*	*
CBFU1U22165B	190.0-210.0	2.1	*	75@45MHz	65@245MHz	*	30 x 12 x 10
CBFU1U22950B	190.0-210.0	2.9	*	50@170MHz	50@230MHz	*	30 x 12 x 10
CBFU1U13080B	192.0	3.0	*	80@1440MHz	80@240MHz	*	30 x 12 x 10
CBFU1U13560B	192.0	3.5	*	60@162MHz	60@222MHz	*	*
CBFU1U16428B	192.6	6.4	*	28@185.2MHz	30@200MHz	*	40.4 x 12 x 10
CBFU1U24265B	194.0-206.0	4.2	*	65@180MHz	65@220MHz	*	40.4 x 12 x 10
CBFU1U22915B	194.75-225.25	2.9	*	15@190.5MHz	15@229.5MHz	*	30 x 12 x 10
CBFU1U23020B	195.0-225.0	3.0	*	20@190MHz	20@230MHz	*	30 x 12 x 10
CBFU1U30920B	195.0-335.0	0.9	*	20@135MHz	30@415MHz	*	*
CBFU1U17075B	196.25	7.0	*	75@176.25MHz	75@216.25MHz	*	40.4 x 9.5 x 9.5
CBFU2U21865B	200.0	1.8	*	65@100MHz	70@300MHz	*	30 x 12 x 10
CBFU2U22980B	200.0	2.9	*	80@150MHz	80@250MHz	*	40.4 x 12 x 10
CBFU2U28080B	200.0	8.0	*	80@180MHz	80@220MHz	*	40.4 x 12 x 10
CBFU2U22770B	200.0	2.7	*	70@150MHz	70@250MHz	*	*
CBFU2U22875B	200.0	2.8	*	75@155MHz	75@245MHz	*	*
CBFU2U23060B	200.0	3.0	*	60@170MHz	60@230MHz	*	*
CBFU2U21985B	200.0	1.9	*	85@100MHz	85@300MHz	*	30 x 12 x 10
CBFU2U27080B	208.75	7.0	*	80@188.75MHz	80@228.75MHz	*	40.4 x 9.5 x 9.5
CBFU2U24040B	209.0-231.0	4.0	*	40@180MHz	40@220MHz	*	*
CBFU2U25080B	210.0	5.0	*	80@180MHz	80@240MHz	*	40.4 x 12 x 10
CBFU2U25060B	212.0-228.0	5.0	*	60@200MHz	60@240MHz	*	40.4 x 12 x 10
CBFU2U27075B	212.5	7.0	*	75@192.5MHz	80@232.5MHz	*	40.4 x 9.5 x 9.5
CBFU2U22815B	214.75-245.25	2.8	*	15@211MHz	15@249MHz	*	30 x 12 x 10
CBFU2U23015B	215.0-245.0	3.0	*	15@210MHz	15@250MHz	*	30 x 12 x 10
CBFU2U21370B	220.0	1.3	*	85@200MHz	70@440MHz	*	*
CBFU2U26365B	220.0	6.3	*	65@200MHz	65@240MHz	*	*
CBFU2U26870B	220.0	6.8	*	70@200MHz	70@240MHz	*	*
CBFU2U21470B	220.0	1.4	*	85@200MHz	70@440MHz	*	*
CBFU2U27080B	221.25	7.0	*	80@201.25MHz	80@241.25MHz	*	40.4 x 9.5 x 9.5
CBFU2U24555B	221.5-248.5	4.5	*	55@223MHz	55@257MHz	*	*
CBFU2U26575B	225.0	6.5	*	75@205MHz	75@245MHz	*	40.4 x 9.5 x 9.5
CBFU2U23250B	225.0-255.0	3.2	*	50@210MHz	50@270MHz	*	40.4 x 12 x 10
CBFU2U23045B	226.5-253.5	3.0	*	45@216MHz	45@256MHz	*	*
CBFU2U22470B	228.0-252.0	2.4	*	70@180MHz	80@300MHz	*	40.4 x 12 x 10

## Band Pass Filters (Waveguide & Coaxial)

Model Number	Frequency Range (MHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBFU2U28080B	233.75	8.0	*	80@213.75MHz	80@253.75MHz	*	40.4 x 9.5 x 9.5
CBFU2U28075B	237.5	8.0	*	75@217.5MHz	80@257.5MHz	*	40.4 x 9.5 x 9.5
CBFU2U22275B	240.0	2.2	*	75@160MHz	85@320MHz	*	30 x 12 x 10
CBFU2U26985B	240.0	6.9	*	85@200MHz	85@280MHz	*	40.4 x 12 x 10
CBFU2U22415B	240.0	2.4	*	15@215MHz	15@265MHz	*	*
CBFU2U23965B	240.0	3.9	*	65@210MHz	65@270MHz	*	40.4 x 12 x 10
CBFU2U22415B	240.0-260.0	2.4	*	-	15@278MHz	*	40.4 x 12 x 10
CBFU2U32242B	240.0-320.0	2.2	*	45@220MHz	42@340MHz	*	50.9 x 9.5 x 9.5
CBFU2U24075B	242.5-257.5	4.0	*	75@200MHz	75@300MHz	*	30 x 12 x 10
CBFU2U27875B	246.25	7.8	*	75@226.25MHz	85@266.25MHz	*	40.4 x 9.5 x 9.5
CBFU2U22875B1	250.0	2.8	*	75@200MHz	75@300MHz	*	40.4 x 12 x 10
CBFU2U24445B	254.0-274.0	4.4	*	55@244MHz	45@284MHz	*	*
CBFU2U25045B	257.0-271.0	5.0	*	45@250MHz	45@278MHz	*	*
CBFU2U27575B	258.75	7.5	*	75@238.75MHz	75@278.75MHz	*	40.4 x 9.5 x 9.5
CBFU2U23060B	260.0	3.0	*	60@160MHz	60@360MHz	*	40.4 x 12 x 10
CBFU2U33063B	260.0-300.0	3.0	*	65@240MHz	63@320MHz	*	50.9 x 9.5 x 9.5
CBFU2U27580B	262.5	7.5	*	80@242.5MHz	80@282.5MHz	*	40.4 x 9.5 x 9.5
CBFU2U23245B	266.0-294.0	3.2	*	45@255MHz	45@305MHz	*	*
CBFU2U27580B	271.25	7.5	*	80@251.25MHz	80@291.25MHz	*	40.4 x 9.5 x 9.5
CBFU2U28075B	275.0	8.0	*	75@255MHz	75@295MHz	*	40.4 x 9.5 x 9.5
CBFU2U23280B	275.0	3.2	*	80@220MHz	80@330MHz	*	40.4 x 12 x 10
CBFU2U22385B	275.0	2.3	*	85@175MHz	85@375MHz	*	*
CBFU2U21870B	280.0	1.8	*	70@270MHz	70@360MHz	*	40.4 x 12 x 10
CBFU2U23960B	280.0	3.9	*	60@245MHz	60@315MHz	*	*
CBFU2U35045B	280.0-301.0	5.0	*	45@270MHz	45@310MHz	*	40.4 x 12 x 10
CBFU2U28075B	283.75	8.0	*	75@263.75MHz	75@303.75MHz	*	40.4 x 9.5 x 9.5
CBFU2U33635B	285.0-315.0	3.6	*	35@275MHz	35@325MHz	*	40.4 x 12 x 10
CBFU2U28075B	287.5	8.0	*	75@267.5MHz	75@307.5MHz	*	40.4 x 9.5 x 9.5
CBFU3U32075B	300.0	2.0	*	75@200MHz	75@400MHz	*	30 x 12 x 10
CBFU3U32055B	300.0	2.0	*	55@240MHz	55@360MHz	*	30 x 12 x 10
CBFU3U32875B	300.0	2.8	*	75@250MHz	75@350MHz	*	40.4 x 12 x 10
CBFU3U34065B	300.0	4.0	*	65@270MHz	65@330MHz	*	40.4 x 12 x 10
CBFU3U37575B	300.0-310.0	7.5	*	75@285MHz	75@325MHz	*	40.4 x 12 x 10
CBFU3U35060B	306.0-314.0	5.0	*	60@270MHz	60@350MHz	*	40.4 x 12 x 10
CBFU3U33550B	319.5-344.5	3.5	*	50@302MHz	50@362MHz	*	40.4 x 12 x 10
CBFU3U33038B	320.0	3.0	*	38@280MHz	38@360MHz	*	*
CBFU3U32270B	325.0	2.2	*	70@225MHz	70@425MHz	*	*
CBFU3U33845B	326.5-353.5	3.8	*	45@315MHz	45@365MHz	*	40.4 x 12 x 10
CBFU3U33745B	326.5-353.5	3.7	*	45@315MHz	45@365MHz	*	*

## Band Pass Filters (Waveguide & Coaxial)

Model Number	Frequency Range (MHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBFU3U31930B	340.0	1.9	*	60@280MHz	30@400MHz	*	*
CBFU3U32460B	350.0	2.4	*	60@300MHz	60@400MHz	*	40.4 x 12 x 10
CBFU3U35080B	360.0	5.0	*	80@300MHz	80@420MHz	*	30 x 12 x 10
CBFU3U34060B	360.0	4.0	*	60@300MHz	60@420MHz	*	*
CBFU3U46060B	380.0-400.0	6.0	*	60@350MHz	60@430MHz	*	40.4 x 12 x 10
CBFU3U42950B	380.0-420.0	2.9	*	55@340MHz	50@460MHz	*	*
CBFU3U45030B	390.0-410.0	5.0	*	30@380MHz	35@420MHz	*	50.9 x 9.5 x 9.5
CBFU3U35065B	399.0	5.0	*	65@371MHz	65@427MHz	*	40.4 x 12 x 10
CBFU4U43270B	400.0	3.2	*	70@350MHz	70@450MHz	*	*
CBFU4U42465B	400.0	2.4	*	65@371MHz	65@427MHz	*	30 x 12 x 10
CBFU4U43575B	400.0	3.5	*	75@350MHz	75@450MHz	*	30 x 12 x 10
CBFU4U42785B	400.0	2.7	*	85@300MHz	85@500MHz	*	40.4 x 12 x 10
CBFU4U46570B	400.0	6.5	*	70@370MHz	70@430MHz	*	40.4 x 12 x 10
CBFU4U43565B	400.0	3.5	*	65@300MHz	65@500MHz	*	*
CBFU4U42965B	400.0	2.9	*	65@300MHz	65@500MHz	*	*
CBFU4U45055B	410.0	5.0	*	55@380MHz	55@440MHz	*	40.4 x 12 x 10
CBFU4U42970B	420.0	2.9	*	70@340MHz	70@500MHz	*	30 x 12 x 10
CBFU4U43880B	420.0	3.8	*	80@360MHz	80@480MHz	*	40.4 x 12 x 10
CBFU4U61240B	430.0-630.0	1.2	*	40@340MHz	40@720MHz	*	40.4 x 12 x 10
CBFU4U42855B	440.0	2.8	*	55@390MHz	55@490MHz	*	40.4 x 12 x 10
CBFU4U45660B	440.0-460.0	5.6	*	60@410MHz	65@490MHz	*	40.4 x 12 x 10
CBFU4U42855B	448.0	2.8	*	60@398MHz	55@498MHz	*	40.4 x 12 x 10
CBFU4U43570B	450.0	3.5	*	70@350MHz	70@550MHz	*	*
CBFU4U44080B	450.0	4.0	*	80@400MHz	80@500MHz	*	40.4 x 12 x 10
CBFU4U53850B	450.0-510.0	3.8	*	50@440MHz	50@520MHz	*	*
CBFU4U42460B	455.0	2.4	*	60@375MHz	60@535MHz	*	40.4 x 12 x 10
CBFU4U53525B	458.0-510.0	3.5	*	85@400MHz	25@520MHz	*	50.9 x 9.5 x 9.5
CBFU4U44875B	480.0	4.8	*	75@420MHz	75@540MHz	*	40.4 x 12 x 10
CBFU4U53565B	480.0-500.0	3.5	*	65@450MHz	65@530MHz	*	40.4 x 12 x 10
CBFU4U52890B	490.0-510.0	2.8	*	90@400MHz	90@600MHz	*	40.4 x 12 x 10
CBFU4U54090B	490.0-510.0	4.0	*	90@400MHz	90@600MHz	*	50.9 x 9.5 x 9.5
CBFU5U52470B	500.0	2.4	*	70@400MHz	70@600MHz	*	30 x 12 x 10
CBFU5U52880B	500.0	2.8	*	80@400MHz	80@600MHz	*	40.4 x 12 x 10
CBFU5U53665B	500.0	3.6	*	65@450MHz	70@550MHz	*	40.4 x 12 x 10
CBFU5U53360B	500.0	3.3	*	60@450MHz	65@550MHz	*	40.4 x 12 x 10
CBFU5U52880B	500.0	2.8	*	80@400MHz	80@600MHz	*	50.9 x 9.5 x 9.5
CBFU5U52265B	500.0	2.2	*	65@400MHz	65@600MHz	*	30 x 12 x 10
CBFU5U52865B	500.0	2.8	*	65@400MHz	75@600MHz	*	*
CBFU5U56840B	500.0	6.8	*	40@480MHz	40@520MHz	*	*

## Band Pass Filters (Waveguide & Coaxial)

Model Number	Frequency Range (MHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBFU5U53465B	500.0	3.4	*	65@440MHz	70@560MHz	*	*
CBFU5U71440B	500.0-750.0	1.4	*	40@435MHz	45@815MHz	*	50.9 x 9.5 x 9.5
CBFU5U71675B	500.0-750.0	1.6	*	75@217.5MHz	85@1032.5MHz	*	40.4 x 12 x 10
CBFU5U54885B	510.0	4.8	*	85@450MHz	85@570MHz	*	40.4 x 12 x 10
CBFU5U53260B	512.0	3.2	*	60@462MHz	60@562MHz	*	40.4 x 12 x 10
CBFU5U53440B	520.0	3.4	*	40@480MHz	40@560MHz	*	30 x 12 x 10
CBFU5U53020B	522.0-574.0	3.0	*	45@490MHz	20@584MHz	*	50.9 x 9.5 x 9.5
CBFU5U55285B	540.0	5.2	*	85@480MHz	85@600MHz	*	40.4 x 12 x 10
CBFU5U54865B	540.0	4.8	*	65@510MHz	65@570MHz	*	40.4 x 12 x 10
CBFU5U54520B	540.0	4.5	*	20@520MHz	20@560MHz	*	40.4 x 12 x 10
CBFU5U53185B	550.0	3.1	*	85@460MHz	85@600MHz	*	40.4 x 9.5 x 9.5
CBFU5U53065B	560.0	3.0	*	65@480MHz	65@640MHz	*	*
CBFU5U54780B	570.0	4.7	*	80@510MHz	80@630MHz	*	40.4 x 12 x 10
CBFU5U53065B	580.0	3.0	*	65@508MHz	65@652MHz	*	30 x 12 x 10
CBFU5U63955B	586.5-619.5	3.9	*	55@563MHz	55@643MHz	*	40.4 x 12 x 10
CBFU6U63080B	600.0	3.0	*	80@500MHz	80@700MHz	*	30 x 12 x 10
CBFU6U62975B	600.0	2.9	*	75@500MHz	75@700MHz	*	30 x 12 x 10
CBFU6U63385B	600.0	3.3	*	85@500MHz	85@700MHz	*	50.9 x 9.5 x 9.5
CBFU6U63570B	600.0	3.5	*	70@500MHz	70@700MHz	*	*
CBFU6U62860B	600.0	2.8	*	60@500MHz	70@700MHz	*	*
CBFU6U62550B	600.0	2.5	*	50@550MHz	50@650MHz	*	30 x 12 x 10
CBFU6U65280B	630.0	5.2	*	80@570MHz	80@690MHz	*	40.4 x 12 x 10
CBFU6U63380B	640.0	3.3	*	80@550MHz	80@730MHz	*	40.4 x 9.5 x 9.5
CBFU6U63862B	650.0	3.8	*	62@600MHz	62@700MHz	*	40.4 x 12 x 10
CBFU6U73715B	650.0-702.0	3.7	*	80@600MHz	15@712MHz	*	50.9 x 9.5 x 9.5
CBFU6U64690B	660.0	4.6	*	90@600MHz	90@720MHz	*	40.4 x 12 x 10
CBFU6U64730B	672.0	4.7	*	30@654MHz	30@688MHz	*	40.4 x 12 x 10
CBFU6U75045B	685.0-715.0	5.0	*	45@662.5MHz	45@737.5MHz	*	40.4 x 12 x 10
CBFU6U65285B	690.0	5.2	*	85@630MHz	85@750MHz	*	40.4 x 12 x 10
CBFU7U74060B	700.0	4.0	*	60@650MHz	62@750MHz	*	40.4 x 12 x 10
CBFU7U74975B	700.0	4.9	*	75@650MHz	75@750MHz	*	40.4 x 12 x 10
CBFU7U74085B	700.0	4.0	*	85@600MHz	85@800MHz	*	50.9 x 9.5 x 9.5
CBFU7U72450B	700.0	2.4	*	50@600MHz	50@800MHz	*	30 x 12 x 10
CBFU7U75075B	700.0	5.0	*	75@650MHz	75@750MHz	*	40.4 x 12 x 10
CBFU7U73580B	700.0	3.5	*	80@600MHz	80@800MHz	*	40.4 x 12 x 10
CBFU7U73060B	700.0	3.0	*	60@600MHz	70@800MHz	*	*
CBFU7U74045B	720.0	4.0	*	45@680MHz	45@760MHz	*	40.4 x 12 x 10
CBFU7U74745B	720.0	4.7	*	45@690MHz	45@780MHz	*	40.4 x 12 x 10
CBFU7U73780B	720.0	3.7	*	80@680MHz	80@760MHz	*	40.4 x 12 x 10

## Band Pass Filters (Waveguide & Coaxial)

Model Number	Frequency Range (MHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBFU7U73980B	730.0	3.9	*	80@640MHz	80@820MHz	*	40.4 x 9.5 x 9.5
CBFU7U81945B	733.0-836.0	1.9	*	45@648MHz	50@984MHz	*	30 x 12 x 10
CBFU7U74565B	750.0	4.5	*	65@700MHz	70@800MHz	*	40.4 x 12 x 10
CBFU7U76145B	750.0	6.1	*	45@720MHz	45@780MHz	*	40.4 x 12 x 10
CBFU7U73570B	770.0	3.5	*	70@690MHz	70@850MHz	*	30 x 12 x 10
CBFU7U74240B	784.0	4.2	*	40@744MHz	40@824MHz	*	40.4 x 12 x 10
CBFU8U84055B	800.0	4.0	*	55@700MHz	55@900MHz	*	*
CBFU8U84980B	800.0	4.9	*	80@740MHz	80@860MHz	*	40.4 x 12 x 10
CBFU8U84080B	800.0	4.0	*	80@700MHz	80@900MHz	*	30 x 12 x 10
CBFU8U81960B	805.7	1.9	*	60@635MHz	60@923MHz	*	30 x 12 x 10
CBFU8U83980B	830.0	3.9	*	80@740MHz	80@920MHz	*	40.4 x 9.5 x 9.5
CBFU8U85065B	850.0	5.0	*	65@800MHz	65@900MHz	*	40.4 x 12 x 10
CBFU8U83360B	850.0	3.3	*	60@780MHz	60@920MHz	*	40.4 x 12 x 10
CBFU9U92960B	900.0	2.9	*	60@800MHz	60@1000MHz	*	30 x 12 x 10
CBFU9U94580B	900.0	4.5	*	80@800MHz	80@1000MHz	*	30 x 12 x 10
CBFU9U95975B	900.0	5.9	*	75@850MHz	75@950MHz	*	40.4 x 12 x 10
CBFU9U99370B	900.0	9.3	*	70@870MHz	75@930MHz	*	40.4 x 12 x 10
CBFU9U93070B	900.0	3.0	*	70@800MHz	80@1000MHz	*	40.4 x 12 x 10
CBFU9U94485B	920.0	4.4	*	85@830MHz	85@1010MHz	*	40.4 x 9.5 x 9.5
CBFU9U93070B	920.0-940.0	3.0	*	70@800MHz	80@1000MHz	*	40.4 x 12 x 10
CBFU9U92950B	930.0-990.0	2.9	*	55@860MHz	50@1060MHz	*	*
CBFU9U93850B	935.0-985.0	3.8	*	50@900MHz	50@1000MHz	*	30 x 12 x 10
CBFU9U95585B	945.0-975.0	5.5	*	85@880MHz	85@1040MHz	*	40.4 x 12 x 10
CBFU9U93540B	960.0	3.5	*	40@900MHz	40@1020MHz	*	30 x 12 x 10
CBFU9U93580B	970.0	3.5	*	80@850MHz	80@1090MHz	*	30 x 12 x 10
CBFU9014385B	980.0-1020.0	4.3	*	85@900MHz	85@1100MHz	*	40.4 x 12 x 10
CBF01013880B1	1000.0	3.8	*	80@900MHz	80@1100MHz	*	30 x 12 x 10
CBF01012450B	1000.0	2.4	*	50@900MHz	50@1100MHz	*	30 x 12 x 10
CBF01013065B	1000.0	3.0	*	65@900MHz	65@1100MHz	*	30 x 12 x 10
CBF01013880B2	1000.0	3.8	*	80@900MHz	85@1100MHz	*	40.4 x 12 x 10
CBF01012860B	1000.0	2.8	*	60@900MHz	60@1100MHz	*	40.4 x 12 x 10
CBF01015080B	1000.0	5.0	*	80@900MHz	80@1100MHz	*	50.9 x 9.5 x 9.5
CBF01013470B	1000.0	3.4	*	70@900MHz	80@1100MHz	*	40.4 x 12 x 10
CBF01012445B	1000.0	2.4	*	45@900MHz	50@1100MHz	*	30 x 12 x 10
CBF01012468B	1000.0	2.4	*	70@800MHz	68@1200MHz	*	30 x 12 x 10
CBF01014470B	1000.0	4.4	*	70@930MHz	70@1030MHz	*	40.4 x 12 x 10
CBF01012960B	1006.0	2.9	*	60@906MHz	60@1106MHz	*	40.4 x 12 x 10
CBF01013750B	1015.0-1045.0	3.7	*	50@965MHz	50@1095MHz	*	40.4 x 12 x 10
CBF01012750B	1024.0	2.7	*	50@924MHz	60@1124MHz	*	40.4 x 12 x 10

## Band Pass Filters (Waveguide & Coaxial)

Model Number	Frequency Range (MHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBF01015060B	1050.0	5.0	*	60@990MHz	60@1110MHz	*	40.4 x 12 x 10
CBF01017080B	1080.0	7.0	*	80@1000MHz	80@1160MHz	*	40.4 x 12 x 10
CBF01013365B	1092.0	3.3	*	65@992MHz	70@1192MHz	*	40.4 x 12 x 10
CBF01021140B	1100.0-2150.0	1.1	*	40@980MHz	40@2270MHz	*	*
CBF01014280B	1170.0	4.2	*	80@1070MHz	80@1270MHz	*	30 x 12 x 10
CBF01033065B	1195.0-1325.0	3.0	*	65@1110MHz	65@1410MHz	*	*
CBF01013775B	1200.0	3.7	*	75@1100MHz	75@1300MHz	*	30 x 12 x 10
CBF01012945B	1200.0	2.9	*	45@1100MHz	45@1300MHz	*	30 x 12 x 10
CBF01012850B	1200.0	2.8	*	50@1100MHz	50@1300MHz	*	30 x 12 x 10
CBF01015875B	1200.0	5.8	*	75@1100MHz	75@1300MHz	*	50.9 x 9.5 x 9.5
CBF01013675B	1200.0	3.6	*	75@1100MHz	75@1300MHz	*	40.4 x 12 x 10
CBF01013075B	1230.0	3.0	*	75@1158MHz	85@2000MHz	*	30 x 12 x 10
CBF01015255B	1237.5-1282.5	5.2	*	55@1200MHz	55@1320MHz	*	*
CBF01018085B	1260.0	8.0	*	85@1200MHz	85@1320MHz	*	*
CBF01016085B	1280.0	6.0	*	85@1200MHz	85@1360MHz	*	50.9 x 9.5 x 9.5
CBF01010940B	1300.0	0.9	*	55@700MHz	40@1900MHz	*	30 x 12 x 10
CBF01012850B	1300.0	2.8	*	50@1200MHz	50@1400MHz	*	30 x 12 x 10
CBF01014555B	1315.0-1345.0	4.5	*	60@1230MHz	55@1430MHz	*	40.4 x 12 x 10
CBF01016565B	1340.0	6.5	*	70@1280MHz	65@1400MHz	*	40.4 x 12 x 10
CBF01014055B	1350.8-1420.8	4.0	*	60@1300MHz	55@1472MHz	*	40.4 x 12 x 10
CBF01012035B	1350.0-1650.0	2.0	*	40@1270MHz	35@1730MHz	*	*
CBF01016860B	1360.0	6.8	*	80@1280MHz	60@1420MHz	*	40.4 x 12 x 10
CBF01017050B	1385.0-1415.0	7.0	*	50@1355MHz	50@1445MHz	*	40.4 x 12 x 10
CBF01012245B	1385.0-1555.0	2.2	*	45@1330MHz	45@1610MHz	*	40.4 x 12 x 10
CBF01012385B	1400.0-1600.0	2.3	*	85@1100MHz	85@1900MHz	*	50.9 x 9.5 x 9.5
CBF01012860B	1420.0-1520.0	2.8	*	60@1335MHz	60@1605MHz	*	30 x 12 x 10
CBF01016585B	1440.0	6.5	*	85@1360MHz	85@1520MHz	*	50.9 x 9.5 x 9.5
CBF01014870B	1470.0	4.8	*	70@1380MHz	70@1560MHz	*	40.4 x 9.5 x 9.5
CBF01014065B	1500.0	4.0	*	65@1400MHz	65@1600MHz	*	40.4 x 12 x 10
CBF01013350B	1500.0	3.3	*	50@1400MHz	50@1600MHz	*	30 x 12 x 10
CBF01014255B	1510.0	4.2	*	60@1300MHz	55@1720MHz	*	40.4 x 12 x 10
CBF01016485B	1520.0	6.4	*	85@1400MHz	85@1600MHz	*	50.9 x 9.5 x 9.5
CBF01012650B	1555.0-1725.0	2.8	*	50@1440MHz	55@1880MHz	*	*
CBF01014770B	1560.0	4.7	*	70@1470MHz	70@1650MHz	*	40.4 x 9.5 x 9.5
CBF01013050B	1595.0-1625.0	3.0	*	55@1480MHz	50@1740MHz	*	40.4 x 12 x 10
CBF01012560B	1600.0	2.5	*	65@1400MHz	60@1800MHz	*	40.4 x 12 x 10
CBF01017585B	1600.0	7.5	*	85@1520MHz	85@1680MHz	*	50.9 x 9.5 x 9.5
CBF01014860B	1600.0	4.8	*	60@1500MHz	60@1700MHz	*	40.4 x 12 x 10
CBF01018865B	1600.0	8.8	*	65@1500MHz	65@1700MHz	*	40.4 x 12 x 10



## Band Pass Filters (Waveguide & Coaxial)

Model Number	Frequency Range (MHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBF01012275B	1600.0-1800.0	2.2	*	75@1300MHz	75@2100MHz	*	50.9 x 9.5 x 9.5
CBF01014870B	1650.0	4.8	*	70@1560MHz	70@1740MHz	*	40.4 x 9.5 x 9.5
CBF01017585B	1680.0	7.5	*	85@1600MHz	85@1760MHz	*	50.9 x 9.5 x 9.5
CBF01015545B	1680.0	5.5	*	45@1620MHz	45@1740MHz	*	30 x 12 x 10
CBF01014565B	1700.0	4.5	*	65@1600MHz	65@1800MHz	*	30 x 12 x 10
CBF01013850B	1700.0	3.8	*	50@1600MHz	50@1800MHz	*	30 x 12 x 10
CBF01014050B	1700.0	4.0	*	55@1600MHz	50@1800MHz	*	40.4 x 12 x 10
CBF01015370B	1700.0	5.3	*	70@1600MHz	70@1800MHz	*	40.4 x 12 x 10
CBF01014935B	1740.0	4.9	*	50@1300MHz	35@1830MHz	*	40.4 x 9.5 x 9.5
CBF01018085B	1760.0	8.0	*	85@1680MHz	85@1840MHz	*	50.9 x 9.5 x 9.5
CBF01022585B	1800.0-2000.0	2.5	*	85@1500MHz	85@2300MHz	*	50.9 x 9.5 x 9.5
CBF01013140B	1817.7-1847.7	3.1	-	40@1732.7MHz	40@1932.7MHz	*	50.9 x 9.5 x 9.5
CBF01018075B	1840.0	8.0	-	80@1760MHz	75@1920MHz	*	50.9 x 9.5 x 9.5
CBF01012265B	1950.0	2.2	*	65@1600MHz	65@2300MHz	*	40.4 x 12 x 10
CBF02022385B	2000.0	2.3	*	85@1000MHz	85@3000MHz	*	40.4 x 12 x 10
CBF02022860B	2000.0	2.8	*	60@1800MHz	60@2200MHz	*	40.4 x 12 x 10
CBF02027680B	2000.0	7.6	*	80@1875MHz	80@2125MHz	*	40.4 x 12 x 10
CBF02027645B	2020-2060	7.6	*	45@1980MHz	45@2100MHz	*	30 x 12 x 10
CBF02023080B	2020-2060	3.0	*	80@1980MHz	80@2100MHz	30	58 x 40 x 20
CBF02027065B	2080.0	7.0	*	65@2000MHz	65@2160MHz	*	50.9 x 9.5 x 9.5
CBF02027350B	2100.0	7.3	*	50@2030MHz	53@2170MHz	*	30 x 12 x 10
CBF02027785B	2160.0	7.7	*	85@2060MHz	85@2260MHz	*	40.4 x 12 x 10
CBF02025085B	2200.0	5.0	*	85@2000MHz	85@2400MHz	*	50.9 x 9.5 x 9.5
CBF02027585B	2280.0	7.5	*	85@2180MHz	85@2380MHz	*	40.4 x 12 x 10
CBF02022460B	2280.0-2580.0	2.4	*	60@2100MHz	60@2800MHz	*	40.4 x 12 x 10
CBF02026770B	2285.0-2315.0	6.7	*	70@2200MHz	70@2400MHz	*	40.4 x 12 x 10
CBF02028980B	2300.0	8.9	*	80@2200MHz	80@2400MHz	*	40.4 x 12 x 10
CBF02021430B	2350.0	1.4	*	30@1500MHz	50@3500MHz	*	40.4 x 12 x 10
CBF02027380B	2385.0-2415.0	7.3	*	80@2300MHz	80@2500MHz	*	40.4 x 12 x 10
CBF02028880B	2400.0	8.8	*	80@2300MHz	80@2500MHz	*	40.4 x 12 x 10
CBF02025580B	2400.0	5.5	*	80@2200MHz	85@2600MHz	*	50.9 x 9.5 x 9.5
CBF02022875B	2432.0-2632.0	5.0	*	60@2132MHz	60@2932MHz	*	40.4 x 9.5 x 9.5
CBF02028480B	2485.0-2515.0	8.4	*	80@2400MHz	80@2600MHz	*	40.4 x 12 x 10
CBF02029085B	2500.0	9.0	*	85@2400MHz	85@2600MHz	*	40.4 x 12 x 10
CBF02028580B	2585.0-2615.0	8.5	*	80@2500MHz	80@2700MHz	*	40.4 x 12 x 10
CBF02022465B	2590.0-2930.0	2.4	*	65@2240MHz	65@3280MHz	*	40.4 x 12 x 10
CBF02028780B	2600.0	8.7	*	80@2500MHz	80@2700MHz	*	40.4 x 12 x 10
CBF02024060B	2600.0	4.0	*	60@2400MHz	60@2800MHz	*	40.4 x 12 x 10
CBF02025085B	2600.0	5.0	*	85@2400MHz	85@2800MHz	*	50.9 x 9.5 x 9.5

## Band Pass Filters (Waveguide & Coaxial)

Model Number	Frequency Range (MHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBF02025175B	2762.5-2837.5	5.1	*	75@2600MHz	75@3000MHz	*	30 x 12 x 10
CBF02026075B	2800.0	6.0	*	75@2600MHz	80@3000MHz	*	50.9 x 9.5 x 9.5
CBF02023175B	2800.0	3.1	*	75@2400MHz	75@3200MHz	*	40.4 x 12 x 10
CBF02023360B	2800.0	3.3	*	60@2600MHz	60@3000MHz	*	40.4 x 12 x 10
CBF02023074B	2950.0	3.0	*	74@2600MHz	74@3300MHz	*	40.4 x 12 x 10
CBF03034080B	3000.0	4.0	*	80@2600MHz	80@3400MHz	*	40.4 x 12 x 10
CBF03036485B	3000.0	6.4	*	85@2800MHz	85@3200MHz	*	40.4 x 12 x 10
CBF03036885B	3400.0	6.8	*	85@3200MHz	85@3600MHz	*	50.9 x 9.5 x 9.5
CBF03035075B	3600.0	5.0	*	75@3000MHz	75@4200MHz	*	40.4 x 12 x 10
CBF03037090B	3600.0	7.0	*	90@3400MHz	90@3800MHz	*	50.9 x 9.5 x 9.5
CBF03037080B	3800.0	7.0	*	80@3600MHz	80@4000MHz	*	50.9 x 9.5 x 9.5
CBF04044270B	4000.0-4200.0	4.2	*	70@3700MHz	70@4500MHz	*	50.9 x 9.5 x 9.5
CBF04044270B	4200.0-4400.0	4.2	*	70@3900MHz	70@4700MHz	*	50.9 x 9.5 x 9.5

OTHER FREQUENCY BANDS AND ATTENUATION VALUES ARE ALSO AVAILABLE.

\*CONSULT THE FACTORY

### Cavity:

Model Number	Frequency Range (GHz)	Insertion Loss (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	PWR (W)	Case Type (mm)
CBFU1U13020	0.12-0.18	3.0	40@0.11GHz 20@0.115GHz	20@0.185GHz 40@0.190GHz	10	120 x 40 x 16
CBFU2U53030	0.22-0.52	3.0	30@0.2GHz 50@0.180GHz	30@0.540GHz 50@0.560GHz	10	113 x 40 x 16
CBFU3U41082	0.32-0.42	1.0	22@0.3GHz 22@0.44GHz	82@0.23GHz 82@0.51GHz	*	125 x 128 x 75
CBFU4U40630B	0.4-0.45	0.6	30@DC-0.35GHz	30@0.5-2.0GHz	200	*
CBFU4U44020	0.4-0.48	4.0	20@0.39GHz	35@0.50GHz	10	113 x 40 x 16
CBFU4U40130-01	0.43-0.45	1.0	30@0.40GHz	30@0.48GHz	50	*
CBFU4U41565B	0.487-0.497 (-3dB)	1.5	65@0.472GHz	65@0.512GHz	*	150 x 154 x 25
CBFU5U92035B	0.52-0.92	2.0	35@0.325GHz	35@1.31GHz	1	*
CBFU6U71565Y	0.600-0.707	1.5	65@0.534GHz	65@0.774GHz	*	149 x 21 x 40
CBFU7U80740B	0.70-0.85	0.7	40@DC-0.625GHz	40@0.925-2.0	*	70 x 114 x 48
CBFU7U81565Y	0.774-0.881	1.5	65@0.708GHz	65@0.948GHz	*	149 x 21 x 40
CBFU8011025B	0.887-1.427	1.0	25@0.635GHz	25@1.67GHz	*	*
CBFU9U92060Y	0.912-0.922	2.0	60@0.890GHz	60@0.958GHz	*	100 x 70 x 38
CBFU9010530Y-01	0.96-1.215	0.5	30@DC-0.8GHz	43@1.5-2.3GHz	20	107 x 113 x 43

## Band Pass Filters (Waveguide & Coaxial)

Model Number	Frequency Range (GHz)	Insertion Loss (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	PWR (W)	Case Type (mm)
CBFU9010530B	0.975-1.025	0.5	30@ below 0.9GHz	30@ above 1.1GHz	2	*
CBF01022030-01	1.085-2.015	2.0	30@1.975GHz 30@2.025GHz	60@1.9GHz 60@2.1GHz	*	91 x 19 x 41
CBF01023030-01	1.099-2.001	3.0	30@1.989GHz 30@2.011GHz	60@1.950GHz 60@2.050GHz	*	104 x 26 x 38
CBF01011030Y	1.150-1.250	1.0	30@1.060GHz	30@1.340GHz	*	73 x 15 x 40
CBF01011550-01	1.38-1.4	1.5	50@DC-1.34/1.44-2.0GHz	30@1.34-1.36/1.42-1.44GHz	5	35 x 55 x 36
CBF01012050-02	1.40-1.61	2.0	50@DC-1.3GHz	50@1.71-4.0GHz	2	95 x 50 x 40
CBF01011045-02	1.427-1.517	1.0	45@DC-1.327/1.617-4.0GHz	30@1.327-1.347/1.597-1.617GHz	5	45 x 65 x 34
CBF01011065Y	1.465-1.610	1.0	65@1.353GHz	65@1.723GHz	*	105 x 16 x 39
CBF01011365Y	1.715-1.860	1.3	65@1.603GHz	65@1.973GHz	*	105 x 16 x 39
CBF01011040Y	1.530-1.600	1.0	40@1.380GHz	40@1.750GHz	*	61 x 37 x 17
CBF01021515-01	1.98-2.15	1.5	45@DC-1.92/2.21-3GHz	15@1.92-1.96/2.17-2.21GHz	5	89 x 95 x 35
CBF01021015-02	1.98-2.01	1.0	45@DC-1.92/2.07-2.17GHz	15@1.92-1.96/2.03-2.07GHz	100	35 x 135 x 35
CBF01022030-01	1.985-2.015	2.0	30@1.975GHz 30@2.025GHz	60@1.9GHz 60@2.1-6.0GHz	*	91 x 19 x 41
CBF01022545-01	1.995-2.0	2.5	45@DC-1.895/2.1-4.0GHz	30@1.895-1.915/2.1-2.12GHz	5	30 x 57 x 19
CBF01023030-01	1.999-2.001	3.0	30@1.989GHz 30@2.011GHz	60@1.95GHz 60@2.050-6.0GHz	*	104 x 26 x 38
CBF02022545Y	2.195-2.305	2.5	45@2.160GHz	45@2.330GHz	*	48 x 48 x 32
CBF02021030B	2.2-2.4	1.0	30@DC-2GHz	30@2.55-8.05GHz	15	90 x 26 x 19
CBF02022550Y	2.295-2.405	2.5	50@2.260GHz	50@2.440GHz	*	48 x 48 x 32
CBF02022050B	2.31-2.35	2.0	50@2.28GHz	50@2.38GHz	50	68 x 47 x 19
CBF02021250-01	2.4-2.482	1.2	50@2.3GHz	50@2.496-4.0GHz	*	216 x 110 x 27
CBF02021050B	2.47-2.51	1.0	50@2.44GHz	50@2.54	100	*
CBF02021050B-01	2.54-2.58	1.0	50@2.51GHz	50@2.61GHz	*	*
CBF02024040	2.7-2.9	4.0	40@2.6GHz	35@3.0GHz	2	*
CBF02032585B-01	2.9-3.1	2.5	85@2.8GHz	85@3.2GHz	*	20 x 50 x 10
CBF02033080B	2.9-3.5	3.0	80@DC-2.9GHz	80@3.8-18GHz	200	32 x 76 x 18.5
CBF03030170-01	3.0-3.2	0.8	50@DC-2.7GHz	70@3.6-4.0GHz	5	*
CBF03030570-01	3.0-3.6	0.5	60@DC-2GHz	50@4.49-5.87GHz 70@5.87-6.5GHz	5	28 x 74 x 19
CBF02042050-01	3.0-5.6	2.0	50@DC-2.6GHz	50@6-45GHz	*	*
CBF03052030	3.1-5.5	1.0	30@2.5GHz	30@6.1GHz	*	61 x 17 x 11
CBF03033560B	3.22-3.24 (-3dB)	3.5	60@3.2GHz	60@3.26GHz	*	82 x 20.5 x 12.5

## Band Pass Filters (Waveguide & Coaxial)

Model Number	Frequency Range (GHz)	Insertion Loss (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	PWR (W)	Case Type (mm)
CBF03062050	3.6-6.8	2.0	50@DC-3.2GHz	50@7.2-45GHz	*	*
CBF03031040Y	3.700-3.790	1.0	40@3.520GHz	40@3.970GHz	*	65 x 23 x 22
CBF03041350B	3.93-4.272 (-3dB)	1.3	50@3.859GHz	50@4.343GHz	*	92 x 18 x 10
CBF04041570B	4.0-4.2	1.5	70@DC-3.7GHz	70@4.5-7GHz	5	22 x 51 x 18
CBF04041060Y	4.075-4.125	1.0	60@3.900GHz	60@4.300GHz	*	80 x 14 x 32
CBF04050530-01	4.2-5.2	0.5	30@3.5GHz	30@6-8GHz	5	24 x 74 x 19
CBF04041075Y	4.225-4.425	1.0	75@3.800GHz	75@4.800GHz	*	55 x 8 x 18
CBF04041565Y	4.600-4.800	1.5	65@4.300GHz	65@5.100GHz	*	55 x 8 x 18
CBF04051275B	4.9-5.1 (-3dB)	1.2	75@4.5GHz	75@5.5GHz	*	64 x 17 x 10.5
CBF04051040B	4.9-5.35	1.0	70@3.5GHz	40@5.6GHz	2	-
CBF05052075B	5.4-5.6 (-3dB)	2.0	75@5GHz	80@6GHz	*	64 x 17 x 10.5
CBF05051040B	5.45-5.85	1.0	70@3.5GHz	40@5.3GHz	2	57 x 28 x 18
CBF05060830B-01	5.5-6.5	0.8	30@DC-3GHz	30@9-15GHz	5	24 x 36.5 x 12
CBF05061085B	5.68-6.22 (-3dB)	1.0	85@5.29GHz	85@6.8GHz	*	76 x 16 x 9
CBF05070450A	5.7-7.6	0.4	50@10.5-16.3GHz	86@1.0GHz	1	58 x 25.5 x 14
CBF05061065Y	5.800-6.000	1.0	65@5.5GHz	65@6.3GHz	*	58 x 40 x 13
CBF05053025-01	5.85-5.925	3.0	25@2.4-2.5	13@11.0-11.8GHz	0.5	*
CBF06080550B	6.0-8.0	0.5	50@DC-3.5	50@10.5-17GHz	*	37 x 13 x 10
CBF06082030	6.1-8.5	1.0	30@5.5GHz	30@9.1GHz	*	61 x 14 x 10
CBF06063580B	6.49-6.51 (-3dB)	3.5	80@6.4GHz	80@6.6GHz	*	67 x 15 x 11.5
CBF06070885B	6.56-7.1 (-3dB)	0.8	85@6.19GHz	85@7.4GHz	*	79 x 15 x 9
CBF06081070Y	6.560-8.240	1.0	70@5.4GHz	70@9.1GHz	*	78 x 11 x 20
CBF06062080B	6.785-6.855 (-3dB)	2.0	80@6.5GHz	80@7.1GHz	*	67 x 15 x 11.5
CBF07090447A-01	7-9.3	0.4	52@11.8-18GHz	47@4.0GHz	*	*
CBF08090550B	8.0-9.0	0.5	50@DC-6GHz	50@12.5-18GHz	*	41 x 13 x 9
CBF08101075B	8.0-10.4 (-3dB)	1.0	75@7.5GHz	80@10.9GHz	*	103 x 16 x 10
CBF08121050B	8-12	1.0	50@DC-7.0GHz	50@13-20GHz	2	57 x 18 x 8
CBF08101050B	8.7-10.5	1.0	50@DC-7.8GHz	50@11.2-15GHz	0.7	*
CBF08110445A-01	8.7-11.55	0.4	52@13.5-20.2GHz	45@5.2GHz	1	*
CBF08101050B-01	8.8-10.8	1.0	50@DC-8.0GHz	50@11.6-15GHz	0.7	*
CBF08090740-01	8.825-9.575	0.75	40@DC-7.325GHz	40@1.11-13 GHz	5	24 x 40 x 10
CBF09090550B	9-9.5	0.5	50@DC-6GHz	50@DC-13.5-18.5GHz	*	35 x 13 x 9
CBF09092240-01	9.075-9.325	2.25	40@DC-8.9GHz	40@DC-18GHz	5	20 x 54.6 x 10
CBF09092250B	9.16-9.21 (-3dB)	2.5	60@9.36GHz	50@9.35GHz	*	43 x 14 x 10.5
CBF09091540CS	9.17-9.58	1.5	25@DC-9.080GHz	40@10.22-15.0GHz	*	75 x 33 x 9
CBF09090630-01	9.2-9.6	0.6	30@DC-8.95GHz	30@DC-9.85-12.0GHz	5	49 x 34 x 20

## Band Pass Filters (Waveguide & Coaxial)

Model Number	Frequency Range (GHz)	Insertion Loss (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	PWR (W)	Case Type (mm)
CBF09101050B	9.2-10.4	1.0	50@DC-8.4GHz	50@11.2-15GHz	0.7	*
CBF09100550B	9.5-10	0.5	50@DC-7.5	50@DC- 14-19GHz	*	35 x 13 x 9
CBF09100830B-01	9.5-10.5	0.8	30@7GHz	30@13-18GHz	*	22 x 38 x 9
CBF09103770B	9.72-10.36 (-3dB)	3.7	70@9.59GHz	70@10.49GHz	*	136 x 15 x 9
CBF09141035B-01	9.9-14.1	1.0	35@4.2GHz	60@6.3GHz	2	47 x 17 x 7
CBF09102560B	9.95-10.05 (-3dB)	2.5	60@9.5GHz	60@10.5GHz	*	57 x 13.5 x 10
CBF10120550B	10-12	0.5	50@DC-8GHz	50@14.5-21	*	39 x 13 x 8
CBF7510101442-01	10.014-10.042	1.4	42@9.978-10.0GHz	42@10.056-10.078GHz	10	*
CBF10140947	10.9-14.5	0.9	47@9.7GHz	89@18GHz	*	*
CBF11111560	11.605-11.805	1.5	60@DC-10.705GHz	60@12.705-14GHz	5	*
CBF11123050B	11.74-12.24	3.0	50@11.49GHz	50@12.49GHz	*	*
CBF11125360B	11.95-12.05 (-3dB)	5.3	60@11.9GHz	60@12.1GHz	*	58 x 13.5 x 9.5
CBF12140550B	12-14	0.5	50@DC-10GHz	50@16.5-23GHz	*	40 x13 x 8
CBF13161070Y	13.120-16.480	1.0	70@10.7GHz	70@19.0GHz	*	78 x 11 x 15
CBF13141050B	13.71-14.69 (-3dB)	1.0	50@13.5GHz	50@14.9GHz	*	97 x 12 x 9.2
CBF13161048	13.9-16.4	1.0	48@11.9GHz	60@25GHz	*	*
CBF13180554A	13.9-18.3	0.5	66@2.7GHz	54@9.0GHz	*	*
CBF14150650B	14-15	0.6	50@5.2-10GHz	50@17-28GHz	*	*
CBF14140845B	14.15	0.8	45@13GHz	70@17GHz	*	*
CBF14141050B	14.3-14.8	1.0	50@13.65GHz	50@15.45GHz	2	*
CBF15180650B	15-18	0.6	50@6-13.5GHz	50@19.5-28GHz	*	*
CBF15181152	15.8-18.3	1.1	52@13.5GHz	60@25GHz	*	27.1 x 14 x 6.3
CBF15171058B	15.84-17.14 (-3dB)	1.0	58@15.58GHz	80@18.5GHz	*	100 x 12 x 9
CBF18263040	18-26.1	3.0	40@DC-16.5GHz	40@26.5-30GHz	1	79 x 8 x 8
CBF18261550	18-26.5	1.5	50@DC-14GHz	50@32-40GHz	2	*
CBF24262060B	24.5-26.5	2.0	60@21-23.5GHz	60@27.5-33GHz	3	45 x 12.5 x 6
CBF26402045	26.5-40	2.0	55@DC-24GHz	45@42GHz	2	*
CBF28403040	28-40	3.0	40@24-27.5GHz	40@43-46GHz	1	67.2 x 18 x 8.7
CBF28291045B	28.45-29.55	1.0	45@27.5GHz	45@30.5GHz	*	*
CBF29301045B	29.45-30.55	1.0	45@28.50GHz	45@31.50GHz		*
CBF32361650Y	32-36	1.6	50@DC-30GHz	50@38-45GHz	5	60 x 16 x 12
CBF33362060B	33.5-36.5	2.0	60@26.3-32GHz	60@38-40GHz	3	44 x 12.5 x 6
CBF34351880-01	34.5-35.5	1.8	80@DC-32.57&37.4-47GHz	20dB@ 32.57-34.14 & 35.86-37.4GHz	*	11 x 50 x16

OTHER FREQUENCY BANDS AND ATTENUATION VALUES ARE ALSO AVAILABLE.

\*CONSULT THE FACTORY

## Band Pass Filters (Waveguide & Coaxial)

### Ceramic:

Model Number	Frequency Range (GHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBFU6U61225B	0.605-0.662 (-1dB)	1.2	*	40@0.567GHz	25@0.701GHz	*	48 x 19 x 10
CBFU6U66070B	0.617.5-0.622.5 (-1dB)	6.0	*	70@0.6GHz	70@0.64GHz	*	45 x 20 x 10
CBFU6U65860B	0.677.5-0.682.5 (-1dB)	5.8	*	65@0.66GHz	60@0.7GHz	*	45 x 20 x 10
CBFU7U83870B	0.795-0.805 (-1dB)	3.8	*	-	70@0.92GHz	*	40.4 x 13.5 x 10
CBFU8U95550B	0.889-0.911 (-3dB)	5.5	*	50@0.874GHz	50@0.926GHz	*	35 x 16 x 8
CBFU9U94370B	0.915-0.925 (-1dB)	4.3	*	70@0.8GHz	70@0.98GHz	*	40.4 x 13.5 x 10
CBFU9U99370B	0.957-0.963 (-1dB)	9.3	*	70@0.94GHz	70@0.98GHz	*	35 x 16 x 8
CBFU9U94070B	0.975-0.985 (-1dB)	4.0	*	70@0.92GHz	75@1.08GHz	*	40.4 x 13.5 x 10
CBFU9013550B	0.999-1.021 (-1dB)	3.5	*	55@0.97GHz	50@1.05GHz	*	37 x 16 x 7
CBF01013955B	1.01-1.03 (-1dB)	3.9	*	60@0.96GHz	55@1.07GHz	*	40.4 x 13.5 x 10
CBF01013550B	1.0165-1.0315 (-1dB)	3.5	*	75@0.974GHz	50@1.074GHz	*	30 x 16 x 7
CBF01012535B	1.02-1.04 (-1dB)	2.5	*	45@0.98GHz	35@1.08GHz	*	40.4 x 12 x 10
CBF01014370B	1.03-1.05 (-1dB)	4.3	*	70@0.98GHz	75@1.1GHz	*	40.4 x 13.5 x 10
CBF01013545B	1.039-1.061 (-1dB)	3.5	*	50@1.01GHz	45@1.09GHz	*	37 x 16 x 7
CBF01013870B	1.055-1.075 (-1dB)	3.8	*	75@0.96GHz	70@1.14GHz	*	40.4 x 13.5 x 10
CBF01014465B	1.075-1.085 (-1dB)	4.4	*	75@0.98GHz	65@1.125GHz	*	40.4 x 13.5 x 10
CBF01015070B	1.075-1.085 (-1dB)	5.0	*	70@1.02GHz	70@1.14GHz	*	40.4 x 13 x 9
CBF01013370B	1.08-1.12 (-1dB)	3.3	*	70@0.96GHz	75@1.2GHz	*	40.4 x 13.5 x 10
CBF01013070B	1.115-1.165 (-1dB)	3.0	*	70@0.96GHz	70@1.28GHz	*	40.4 x 13.5 x 10
CBF01014870B	1.12-1.13 (-1dB)	4.8	*	70@1.08GHz	*	*	40.4 x 13.5 x 10
CBF01014350B	1.139-1.161 (-1dB)	4.3	*	55@1.11GHz	50@1.19GHz	*	37 x 16 x 7
CBF01012265B	1.16-1.22 (-1dB)	2.2	*	70@0.96GHz	65@1.36GHz	*	40.4 x 13.5 x 10
CBF01014345B	1.219-1.241 (-1dB)	4.3	*	55@1.19GHz	45@1.27GHz	*	37 x 16 x 7
CBF01014045B	1.25-1.1281 (-1dB)	4.0	*	50@1.23GHz	45@1.31GHz	*	37 x 16 x 7
CBF01015085B	1.27-1.29 (-1dB)	5.0	*	85@1.2GHz	85@1.36GHz	*	30 x 14 x 7
CBF01016080B	1.352-1.368 (-1dB)	6.0	*	80@1.3GHz	80@1.42GHz	*	35 x 18 x 8
CBF01014545B	1.359-1.381 (-1dB)	4.5	*	50@1.33GHz	45@1.41GHz	*	37 x 16 x 7
CBF01015040B	1.399-1.1421 (-1dB)	5.0	*	45@1.37GHz	40@1.457GHz	*	37 x 16 x 7
CBF01012535B	1.42-1.146 (-1dB)	2.5	*	*	35@1.5GHz	*	29 x 12 x 7
CBF01018555B	1.554-1.566 (-1dB)	8.5	*	65@1.53GHz	55@1.59GHz	*	35 x 14 x 8
CBF01018050B	1.567-1.579 (-1dB)	8.0	*	65@1.543GHz	50@1.603GHz	*	35 x 14 x 8
CBF01015565B	1.6485-1.6715(-3dB)	5.5	*	90@1.6GHz	65@1.72GHz	*	35 x 18 x 8
CBF01011040B	1.76-1.1896 (-1dB)	1.0	*	40@1.575GHz	55@2.492GHz	*	30 x 16 x 7

OTHER FREQUENCY BANDS AND ATTENUATION VALUES ARE ALSO AVAILABLE.

\*CONSULT THE FACTORY

## Band Pass Filters (Waveguide & Coaxial)

### Helical:

Model Number	Frequency Range (MHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBFU3U41050B	397-403(-1dB)	1.0	*	60@370MHz	50@430MHz <sup>50</sup>	*	107 x 28 x 43.5
CBFU4U42255B	441-449(-1dB)	2.2	*	60@400MHz	55@490MHz	*	46 x 20 x 26

OTHER FREQUENCY BANDS AND ATTENUATION VALUES ARE ALSO AVAILABLE.

\*CONSULT THE FACTORY

### Tubular:

Model Number	Frequency Range (MHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBFU4U51050B	480-560 (-3dB)	1.0	*	50@380MHz	65@680MHz	*	125.2 x $\Phi$ 13
CBFU5U51965B	540-560 (-3dB)	1.9	*	65@450MHz	75@650MHz	*	95 x $\Phi$ 13
CBFU9U10545B	940-1240 (-1dB)	0.5	*	45@590MHz	70@1590MHz	*	74 x $\Phi$ 13
CBF01016270B	1651-1669 (-1dB)	6.2	*	70@1610MHz	70@1710MHz	*	93 x $\Phi$ 19

OTHER FREQUENCY BANDS AND ATTENUATION VALUES ARE ALSO AVAILABLE.

\*CONSULT THE FACTORY

### Filter Banks:

Model Number	Frequency Range (GHz)	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection1 (dB) Min.	Rejection2 (dB) Min.	Power Avg (W) Max.	Case Type (mm)
CBF01010670B	1.3405-1.4855	0.6	*	70@1.228GHz	70@1.598GHz	*	*
CBF01013050B	1.55-1.65	3.0	*	50@1.46GHz	50@1.74GHz	*	*
CBF01012050B	1.45-1.75	2.0	*	50@1.32GHz	50@1.88GHz	*	*
CBF01011550B	1.3-1.9	1.5	*	50@1.15GHz	50@2.05GHz	*	*
CBF01021450B	1.2-2.0	1.4	*	50@1.02GHz	50@2.18GHz	*	*
CBF01010770B	1.5905-1.7355	0.7	*	70@1.478GHz	70@1.848GHz	*	*
CBF01010870B	1.7155-1.8605	0.8	*	70@1.603GHz	70@1.973GHz	*	*
CBF09092560B	9.55-9.65	2.5	*	60@9.4GHz	60@9.8GHz	*	*
CBF09091760B	9.45-9.75	1.7	*	60@9.3GHz	60@9.9GHz	*	*
CBF09090660B	9.3-9.9	0.6	*	60@8.8GHz	60@10.4GHz	*	*
CBF09100660B	9.2-10.0	0.6	*	60@8.7GHz	60@10.5GHz	*	*

OTHER FREQUENCY BANDS AND ATTENUATION VALUES ARE ALSO AVAILABLE.

\*CONSULT THE FACTORY

## Band Pass Filters (Waveguide & Coaxial)

### Waveguide Filters:

Model Number	Frequency Range (GHz)	Insertion Loss (dB) Max.	Rejection Band (GHz)	Rejection (dB) Min.	VSWR.	Connector
CBF05050340-02	5.4-5.9	0.2	5.2-6.1	40.0	1.2	WR-159
CBF11207080240-01	7.5-8.5	0.2	11	40.0	1.25	WR-112
CBF11208080346-01	8.1-8.8	0.3	5-7 & 10-12	46.0	1.28	WR-112
CBF9010120250-01	10.5-12	0.2	7-9	50.0	1.28	WR-90
CBF30402040-01	30-40	2.0	45-60	40.0	1.5	WR-28
CBF1940601550AV	40-60	1.5	18-32	50.0	1.7	WR-19
CBF1550641850AV	50-64	1.8	28-42	50.0	2.0	WR-15
CBF1561751850AV	61-75	1.8	39-53	50.0	1.8	WR-15
CBF127176250	71-76	1.5	67 & 80	50.0	-	WR-12
CBF1075922035AV	75-92.5	2.0	97-111	50.0	2.0	WR-10
CBF10921102050AV	92.5-110	2.0	70.5-84.5	50.0	2.0	WR-10
CBF1361392540	136.5-139.5	2.5	134 & 142	40.0	-	WR-06
CBF1381412540	138.5-141.5	2.5	133 & 144	40.0	-	WR-06
CBF11207080240-01	7.5-8.5	0.2	11	40.0	-	WR-112
CBF9011120265-XX	11-12	0.2	8.5	65.0	-	WR-90



## Band Pass Filters (Waveguide & Coaxial)

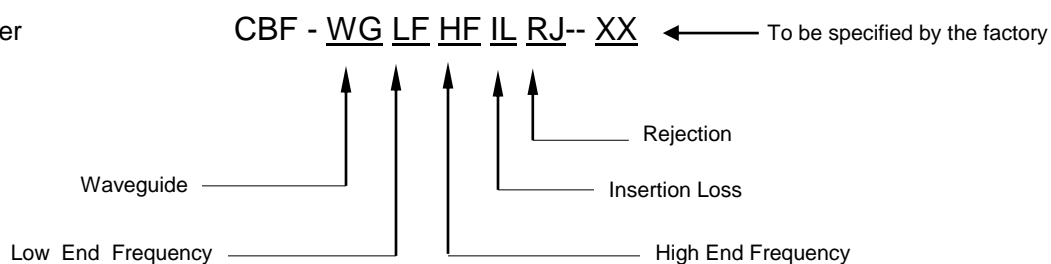
### Waveguide Filters:

Frequency Band	K	Ka	Q	U	V	E	W
Waveguide Size	WR-42	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10
Passband (GHz)	18 to 26.5	26.5 to 40	33 to 50	40 to 60	50 to 75	60 to 90	75 to 110
Insertion Loss (dB) Typ	1.0	1.0	1.0	2.0	3.0	2.5	3.0
Rejection Band (GHz)	< 14 & > 33	< 20 & > 47	< 25 & > 56	< 29 & > 66	< 38 & > 80	< 45 & > 98	< 56 & > 118
Ripple in Passband	0.1 to 0.5	0.1 to 0.5	0.1 to 0.5	0.1 to 0.5	0.1 to 0.5	0.1 to 0.5	0.1 to 0.5

### HOW TO ORDER:

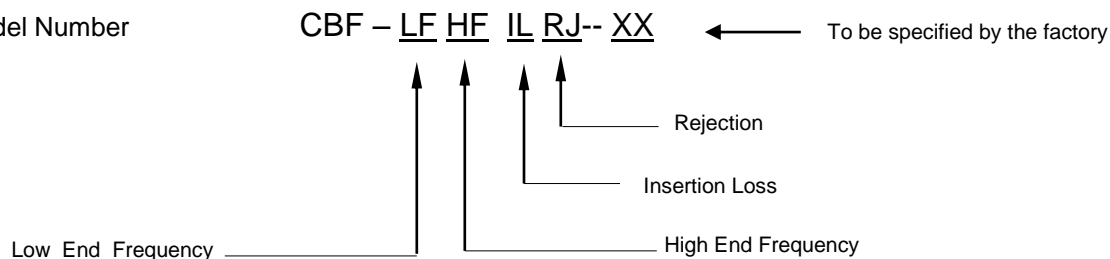
#### WAVEGUIDE:

Specify Model Number



#### COAXIAL:

Specify Model Number



**Example:** To order WR-28 bandpass filter with a passband frequency of 28-29Ghz with an insertion loss of 1.5db, specify CBF-28291530-XX.

ALL THE ABOVE SPECIFICATIONS ARE @ 25°C

OTHER FREQUENCY BANDS ARE ALSO AVAILABLE.

CERNEXWAVE RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE.