

# MFC

Microwave Filter Company, Inc.

*Creating Filters and Components to 50 Ghz for Over 50 Years!*

# 5G

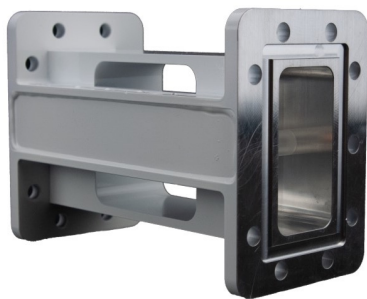
**5G - Mitigation**

## 5G , The MFC Solution

5G is in the forefront of Technology news today and promises consumers increased mobility, con-

nectivity, and data speeds. With the planned expansion of 5G around the world, the potential for interference to existing communication systems will require an RF Filter to suppress unwanted signals. Mid Band 5G falls within the frequency spectrum of the existing Global C-band Satellite receive band where the much stronger 5G signal may potentially overload the front-end of the Satellite receive equipment.

Microwave Filter Company has produced RF Filters that prevent C-Band interference for more than 40 years.



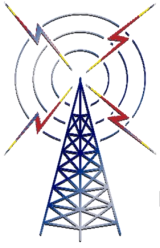
We've already designed custom C-Band Filter solutions used to suppress 5G interference for systems that are currently deployed. We're ready to assist in finding a Filter solution to meet your needs.

**ALL MFC PRODUCTS ARE MADE IN THE USA**

**VIKING**  
SATCOM

**Sales@VikingSatcom.com - www.Vikingsatcom.com**

**T: 517.629.3000 • F: 517.629.2379 • 704 North Clark Street • Albion, MI**



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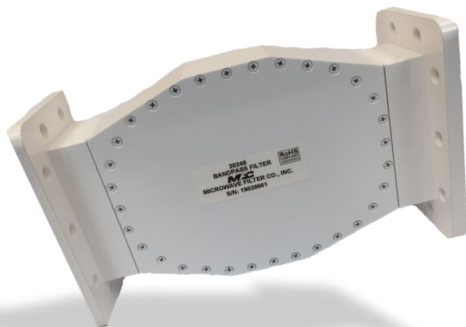
## Where to begin....

The MFC ordering process is *streamlined*, efficient and easy for customers to navigate.

- Contact us by web
- Contact us by phone, talk with a live person
- Discuss your filter needs
- Tell us what portion of the C-Band you need to preserve

MFC Technical Advisors will be happy to assist and will work with you to ensure a robust solution to your interference issues.

**MFC is a global solution provider and can develop and manufacture C-Band interference filters for any system in the world.**

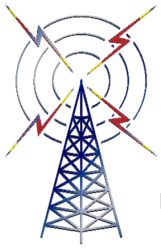


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### MFC Value....

Microwave Filter Company has decades of experience with filters for RF interference. Our C-Band interference filters are accurate, repeatable and reliable. As 5G networks will be installed world-wide, it is important that C-Band systems have the appropriate filtering installed to prevent 5G interference or system downtime.

### What makes MFC different

- Consultation
- Rapid prototyping
- Product development
- Manufacturing

Our inventory houses many previously developed C-Band interference solutions that can be rapidly shipped and are attractively priced.



**See our growing list of 5G Mitigation Solutions Below**

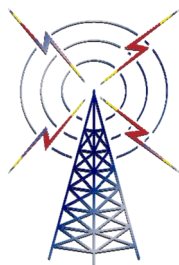
We will be happy to provide you with a quote today!

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## 5G GLOBAL APPLICATIONS

Receive Band (MHz)	Frequency (MHz)	Rejection	MFC Model
3400-4200	3300 & 4300	25 dB MIN	7893D
3400-4200	4400	50 dB TYP	7893D
3400-4200	4500	60 dB TYP	7893D
3400-4200	5825 - 6725	60 dB MIN	7893D
3400-4200	7250 - 7750	60 dB MIN	7893D
3500-4200	3400	80 dB MIN	20255
3500-4200	4250	25 dB MIN	20255
3500-4200	4300	35 dB TYP	20255
3600-4200	3525	38dB TYP, 30dB Min	20292
3600-4200	4285	38dB TYP, 30dB Min	20292
3600-4200	3525	50 dB MIN	20316
3600-4200	4285	50 dB MIN	20316
3622-4200	3550 - 3600	35 dB TYP, 30 dB Min	20409
3622-4200	4300	35 dB TYP, 30 dB Min	20409
3625-4200	3550	40 dB Approx	11383
3625-4200	3600 & 4250	28 dB Approx	20323
3625-4200	3475 & 4375	55 dB TYP	20323
3625-4200	3425 & 4425	70 dB TYP	20323
3625-4200	3550 - 3600	35 dB TYP, 30 dB Min	20345
3625-4200	4300	35 dB TYP, 30 dB Min	20345
3625-4200	3550 - 3600	35 dB TYP	20346

Spec Drawing available upon request

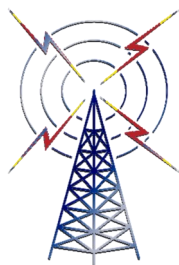
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Receive Band (MHz)	Frequency (MHz)	Rejection	MFC Model
3625-4200	3600	40 dB MIN	20346
3625-4200	4300	30 dB MIN	20346
3625-4200	3575 & 4275	45 dB MIN	13961WE-I
3625-4200	3475 & 4375	55 dB TYP	13961WE-I
3625-4200	3425 & 4425	70 dB TYP	13961WE-I
3625-4200	3575 & 4275	45 dB MIN	13961W-I
3625-4200	3475 & 4375	55 dB TYP	13961W-I
3625-4200	3425 & 4425	70 dB TYP	13961W-I
3700-4100	3650 & 4150	55 dB TYP	20239
3700-4100	3550 & 4250	80 dB TYP	20239
3700-4100	3500 & 4300	90 dB TYP	20239
3700-4200	3650 & 4250	45 dB MIN	13961W
3700-4200	3550 & 4350	60 dB TYP	13961W
3700-4200	3500 & 4400	70 dB TYP	13961W
3700-4200	3650 & 4250	45 dB MIN	13961WE
3700-4200	3550 & 4350	60 dB TYP	13961WE
3700-4200	3500 & 4400	70 dB TYP	13961WE
3700-4200	3650 & 4250	25 dB MIN	7893D
3700-4200	3550 & 4350	60 dB MIN	7893D
3700-4200	3500 & 4400	70 dB MIN	7893D
3700-4200	3650 & 4250	25 dB MIN	7894D
3700-4200	3550 & 4350	60 dB MIN	7894D
3700-4200	3500 & 4400	70 dB MIN	7894D

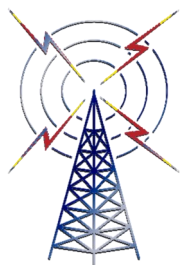
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## 5G GLOBAL APPLICATIONS

Receive Band (MHz)	Frequency (MHz)	Rejection	MFC Model
3800-4200	4400 - 4500	30dB TYP	20158
3800-4200	3600 - 3760	40dB TYP	20158
3800-4200	3400 - 3600	60dB TYP	20158
3800-4200	3760 & 4500	60dB TYP	20158
3860-4200	3820	45dB TYP	20172
3860-4200	3200 - 3800	50 dB MIN	20172
3860-4200	3820	45 dB TYP	20191
3860-4200	3200 - 3800	60 dB TYP	20191
3860-4200	4365	25 dB TYP	20191
3900-4200	3200 - 3880	60 dB MIN	20248
3900-4200	4230 - 4700	45 dB TYP	20248
3900-4200	3845 & 4255	25 dB MIN	13961- 3900/4200
3900-4200	3845 & 4255	25 dB MIN	7893D

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