

# 20523 C-Band Interference Filter 4000-4200 MHz



**Microwave Filter Company, Inc.**

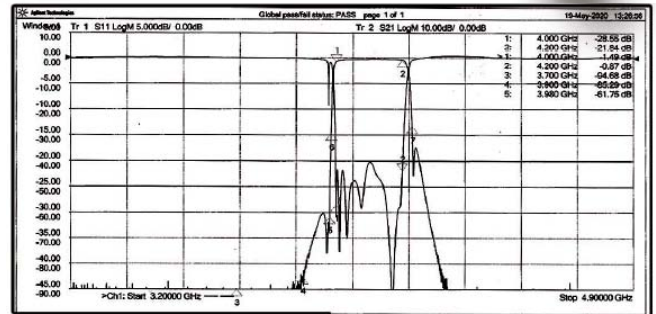
Ideal for eliminating interference from 5G and virtually any other potential source of out-of-band interference.

The model 20523 combines innovative design techniques with the solid performance of its renowned predecessors.



**Specifications**

- PASSBAND: 4000-4200 MHz
- INSERTION LOSS:
  - FROM 4000-4005 MHz: 1.4 dB MAX, ±0.2 dB
  - FROM 4005-4200 MHz: 1.2 dB MAX, ±0.2 dB
- RETURN LOSS: 20 dB MIN
- GROUP DELAY VARIATION: 1.45 nSEC TYP  
±0.5 MHz FROM ANY FREQUENCY WITHIN PASSBAND
- REJECTION:
  - 70 dB MIN FROM 3700 TO 3900 MHz
  - 60 dB MIN FROM 3900 TO 3980 MHz
  - 30 dB MIN FROM 3980 TO 3985 MHz
  - 25 dB MIN @ 4230 MHz
- FLANGES: CPR229G (INPUT)  
CPR229F (OUTPUT)



Channel Settings									
Channel	Sweep Type	Points	Start (GHz)	Stop (GHz)	IF BW (kHz)	Sweep Time (s)	Pow 1 (dBm)	Pow 2 (dBm)	
1	LinFreq	3201	3.200000	4.900000	35.000000	0.098030	9.000000	9.000000	

Trace Attributes									
Window	ID	Trace	Channel	Correction	Options	Marker	Position	Response	
1	S11	1	C 2-Port			1	4000 MHz	-28.552 dB	
						2	4200 MHz	-21.844 dB	
2	S21	1	C 2-Port			1	4000 MHz	-1.4926 dB	
						2	4200 MHz	-0.87426 dB	
						3	3700 MHz	-94.679 dB	
						4	3900 MHz	-85.295 dB	
						5	3980 MHz	-61.751 dB	
						6	3985 MHz	-29.374 dB	
						7	4230 MHz	-26.719 dB	

UNLESS SPECIFIED ALL TOLERANCES ±.060

