

# Bandpass Filters



VI.AVI Solutions



## VIAMI offers bandpass filters

to cover a wide spectrum of frequency ranges within a specified bandwidth, while rejecting unwanted frequencies outside of the desired frequency range. All bandpass filters are designed to provide superior out-of-band rejection with a relatively small form factor for best fit with CellAdvisor™/CellAdvisor 5G/OneAdvisor-800 and AntennaAdvisor Handle for efficient interference analysis.

# Table of Contents

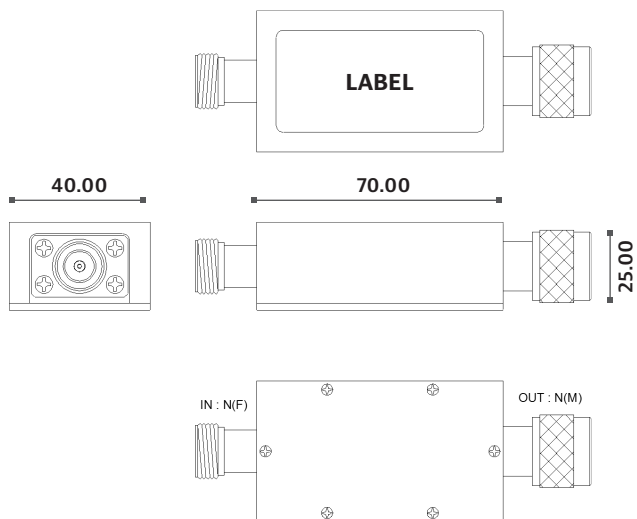
<b>VIAVI RF Bandpass Filters</b> .....	<b>4</b>
Selection Table.....	4
Dimensions.....	5
<b>Electrical Characteristics: Passband</b> .....	<b>6</b>
<b>Electrical Characteristics: Out Of Band</b> .....	<b>9</b>

# VIAVI RF Bandpass Filters

## Selection Table

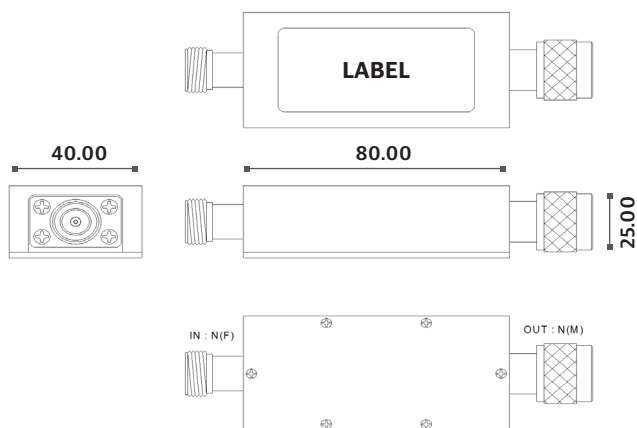
VIAVI Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dBc)	Out of Band Rejection	Operating Temp. (°C)
G700050601	696 to 716	3.0 (max)	50 (min)	--	-10 to +65
G700050602	776 to 788	3.0 (max)	50 (min)	--	-10 to +65
G700050603	806 to 849	3.0 (max)	50 (min)	--	-10 to +65
G700050604	1710 to 1755	3.0 (max)	50 (min)	--	-10 to +65
G700050605	1850 to 1910	3.0 (max)	40 (min)	--	-10 to +65
G700050606	703 to 748	3.0 (max)	50 (min)	55 dBc@791 - 960 50 dBc@1400 - 3500	-10 to +65
G700050607	832 to 862	4.0 (max)	55 (min)	50 dBc@1664 - 3500	-10 to +65
G700050608	880 to 915	4.0 (max)	55 (min)	50 dBc@1760 - 3500	-10 to +65
G700050609	1710 to 1785	4.5 (max)	48 (min)	45 dBc@2110 - 3500	-10 to +65
G700050610	1920 to 1980	4.0 (max)	50 (min)	55 dBc@2110 - 3500	-10 to +65
G700050611	2500 to 2570	4.0 (max)	60 (min)	55 dBc@2620 - 3500	-10 to +65
G700050612	663 to 698	3.0 (max)	45 (min)	--	-10 to +65
G700050613	3300 to 3800	2.5 (max)	50 (min)	--	-10 to +85
G700050614	788 to 798	3.5 (max)	33 (min)	50 dBc@880 - 3700	-10 to +65
G700050615	2305 to 2315	3.5 (max)	50 (min)	55 dBc@2500 - 3400 35 dBc@3400 - 4000	-10 to +65
G700050616	3300 to 4200	2.0 (max)	25 (min)	40 dBc@650 - 3000 50 dBc@3000 25 dBc@4400 40 dBc@4600 - 6000	-10 to +65

## Dimensions



### Part Numbers

- G700050601, G700050602, G700050603, G700050604, G700050605, G700050613, G700050616

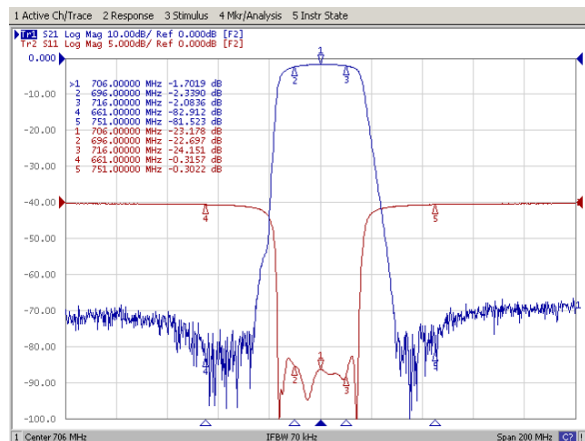


### Part Numbers

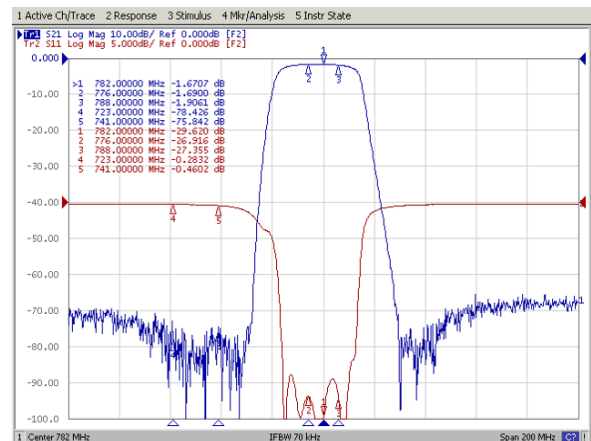
- G700050606, G700050607, G700050608, G700050609, G700050610, G700050611, G700050612, G700050614, G700050615

# Electrical Characteristics: Passband

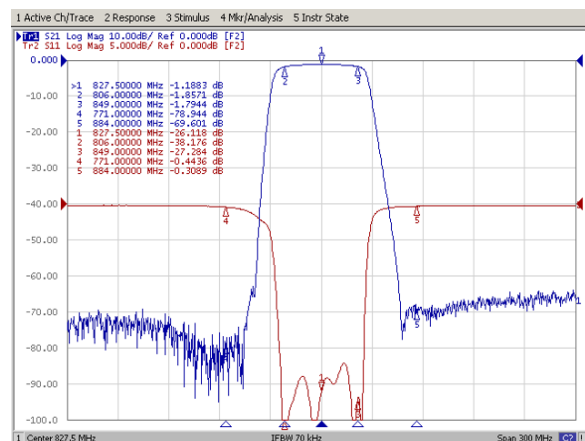
Part Number: G700050601 (696 to 716 MHz)



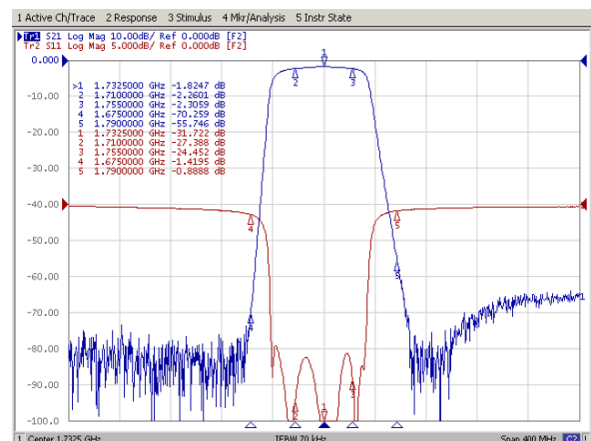
Part Number: G700050602 (776 to 788 MHz)



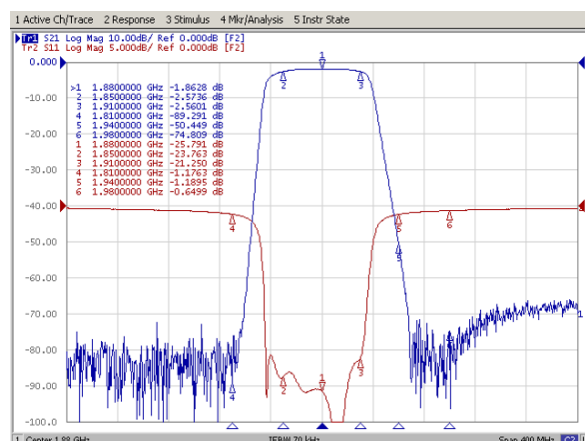
Part Number: G700050603 (806 to 849 MHz)



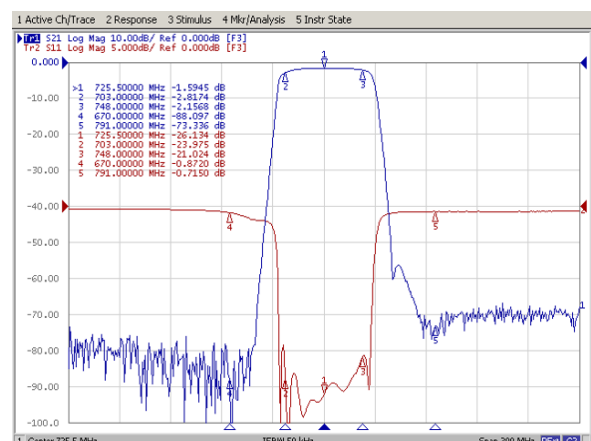
Part Number: G700050604 (1710 to 1755 MHz)



Part Number: G700050605 (1850 to 1910 MHz)

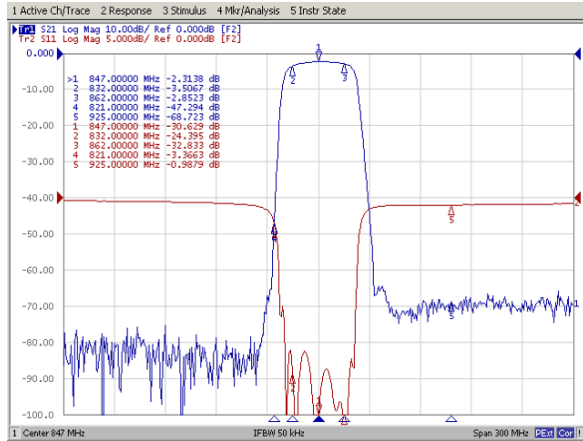


Part Number: G700050606 (703 to 748 MHz)

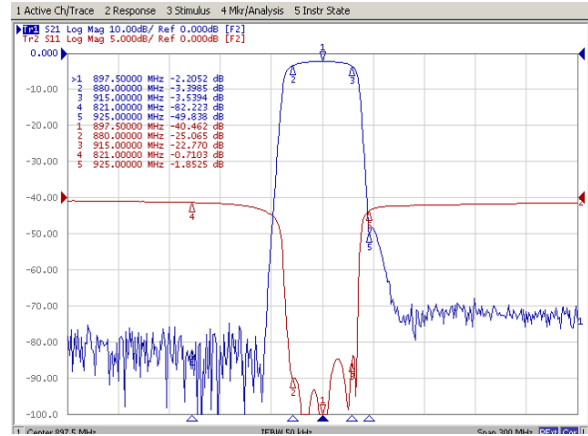




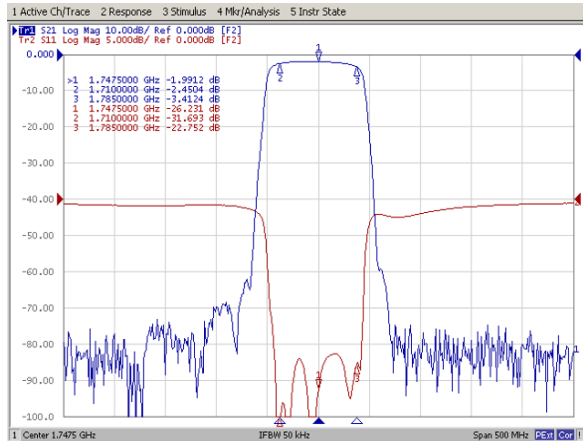
Part Number: G700050607 (832 to 862 MHz)



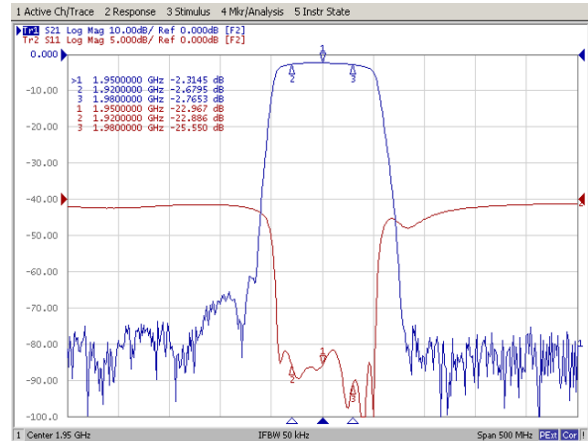
Part Number: G700050608 (880 to 915 MHz)



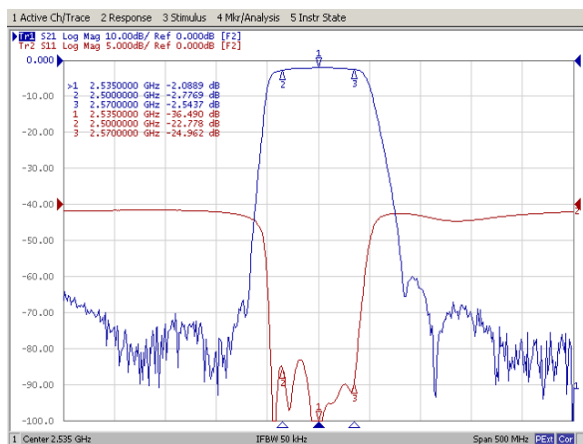
Part Number: G700050609 (1710 to 1785 MHz)



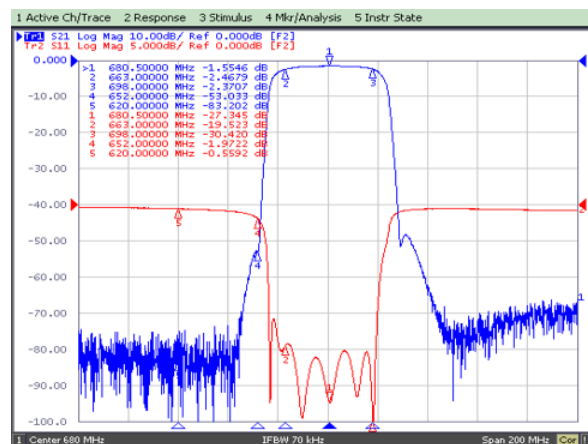
Part Number: G700050610 (1920 to 1980 MHz)



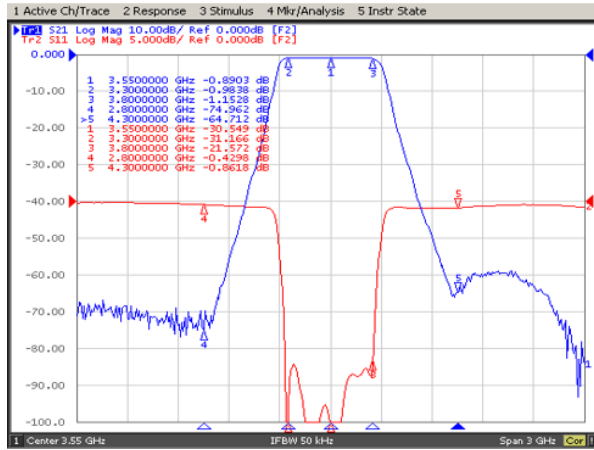
Part Number: G700050611 (2500 to 2570 MHz)



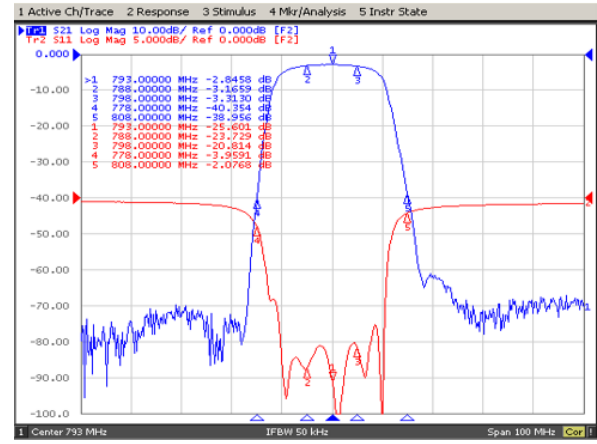
Part Number: G700050612 (663 to 698 MHz)



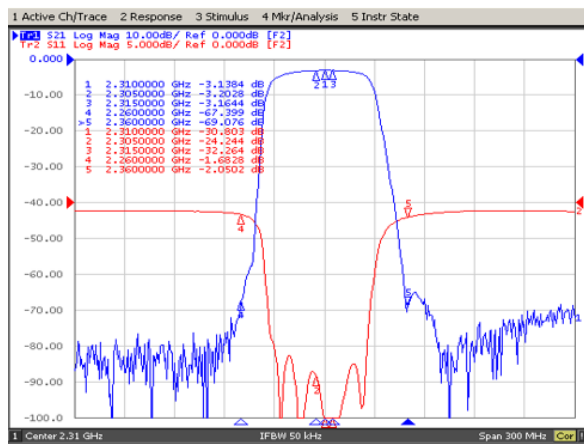
Part Number: G700050613 (3300 to 3800 MHz)



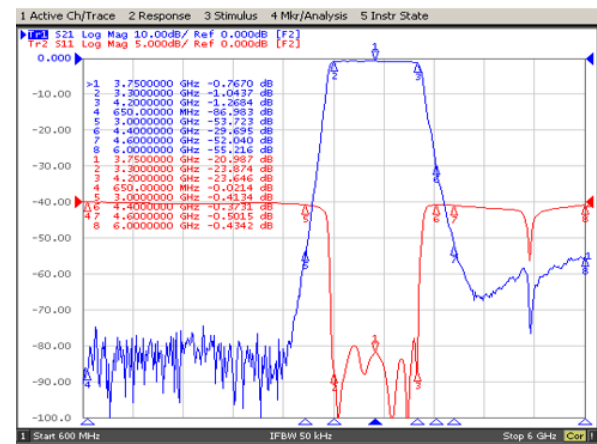
Part Number: G700050614 (788 to 798 MHz)



Part Number: G700050615 (2305 to 2315 MHz)



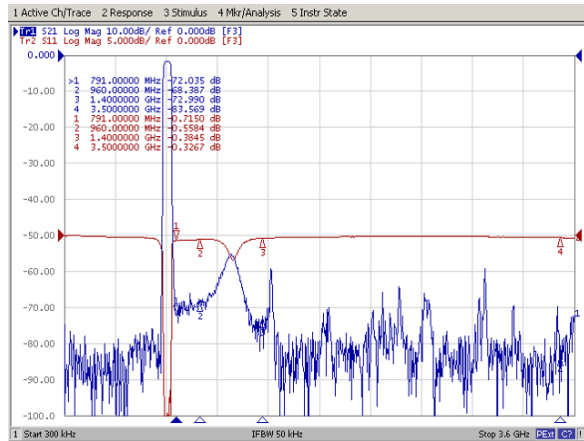
Part Number: G700050616 (3300 to 4200 MHz)



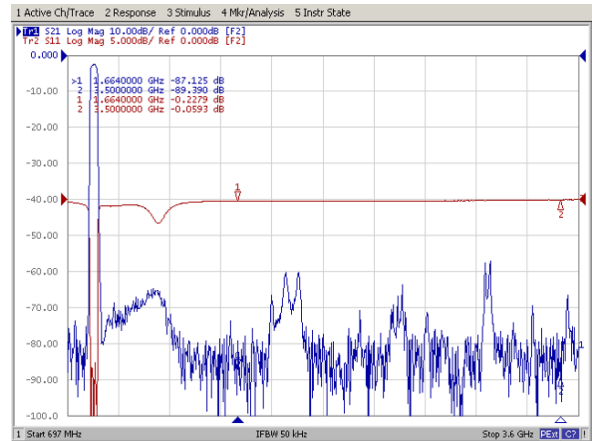


# Electrical Characteristics: Out of Band

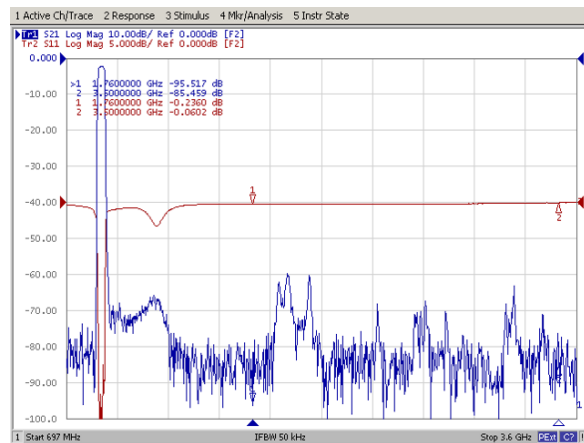
Part Number: G700050606 (703 to 748 MHz)



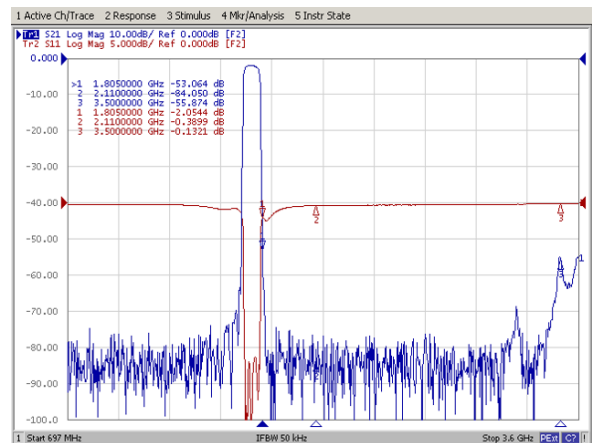
Part Number: G700050607 (832 to 862 MHz)



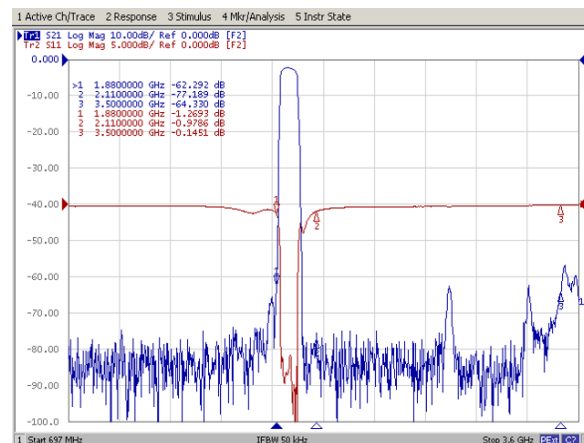
Part Number: G700050608 (880 to 915 MHz)



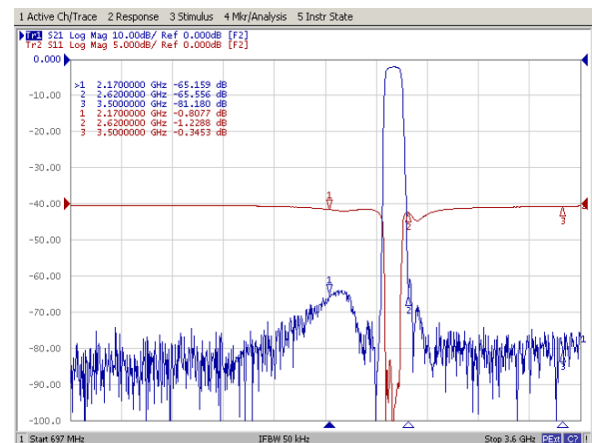
Part Number: G700050609 (1710 to 1785 MHz)



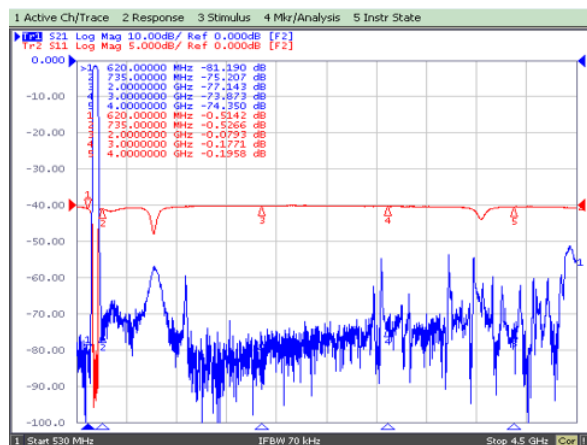
Part Number: G700050610 (1920 to 1980 MHz)



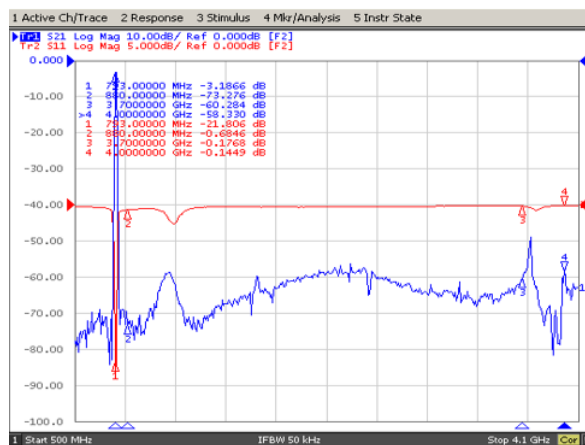
Part Number: G700050611 (2500 to 2570 MHz)



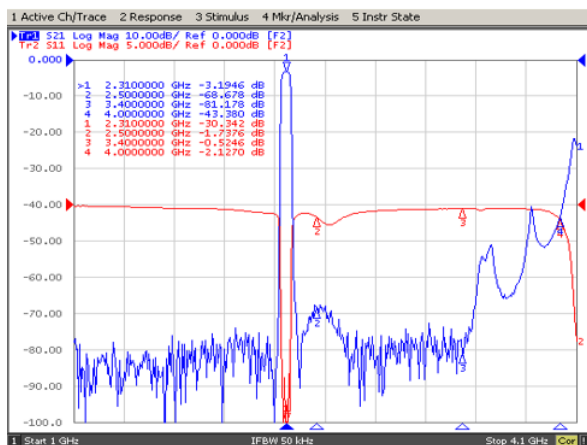
Part Number: G700050612 (663 to 698 MHz)



Part Number: G700050614 (788 to 798 MHz)



Part Number: G700050615 (2305 to 2315 MHz)





VIAMI Solutions

© 2021 VIAMI Solutions Inc.  
Product specifications and descriptions  
in this document are subject to change  
without notice.

[viavisolutions.com](https://www.viavisolutions.com)

Contact us +1 844 GO VIAMI  
To find the VIAMI office nearest you, visit [viavisolutions.com/contacts](https://www.viavisolutions.com/contacts)