

Adjustable Bandwidth Tunable Filter 700-1000 MHz

This tunable filter configuration allows the passband to be centered at any frequency over the tuning range while adding the capability of varying the passband width. After the filter accepts commands specifying the center frequency and bandwidth, the filter will tune its center frequency and adjust its bandwidth to provide a custom filtering solution on demand.

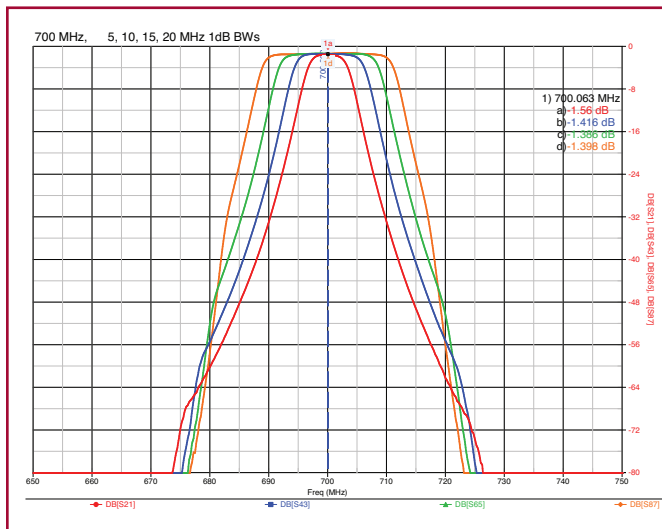
◆ Features:

- Tunable center frequency
- Variable 1 dB bandwidth
- Suitable for LTE and other test applications
- Digital control options available include USB, Ethernet, IEEE-488, and RS-232. Custom interfaces available upon request.
- Standard power 120 VAC @ 50 watts, 240 VAC, 24 VDC, 12 VDC and more optional
- 19" Rack Mountable
- N-female connectors standard, other connectors optional

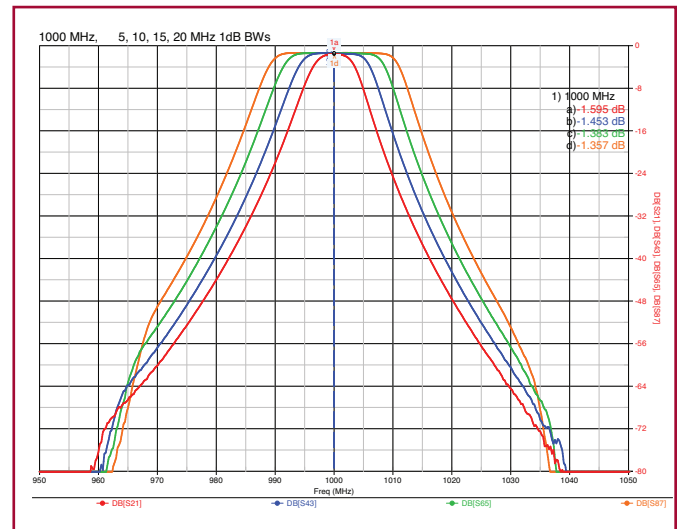


◆ Specifications:

- Tunable center frequency of 700 to 1000 MHz
- Variable 1 dB bandwidth of 5 to 20 MHz
- VSWR of 2.5:1 maximum, 2.0:1 typical
- Insertion loss 2 dB typical, depending on specific configuration
- Filter Shape Factor:
 - 30:3 dB, 2.2:1 typical, 1.1 to 3.6 range depends on center frequency and bandwidth
 - 50:3 dB, 3.5:1 typical, 1.7 to 6.2 range depends on center frequency and bandwidth



700-1000 MHz Adjustable Bandwidth Low



700-1000 MHz Adjustable Bandwidth High