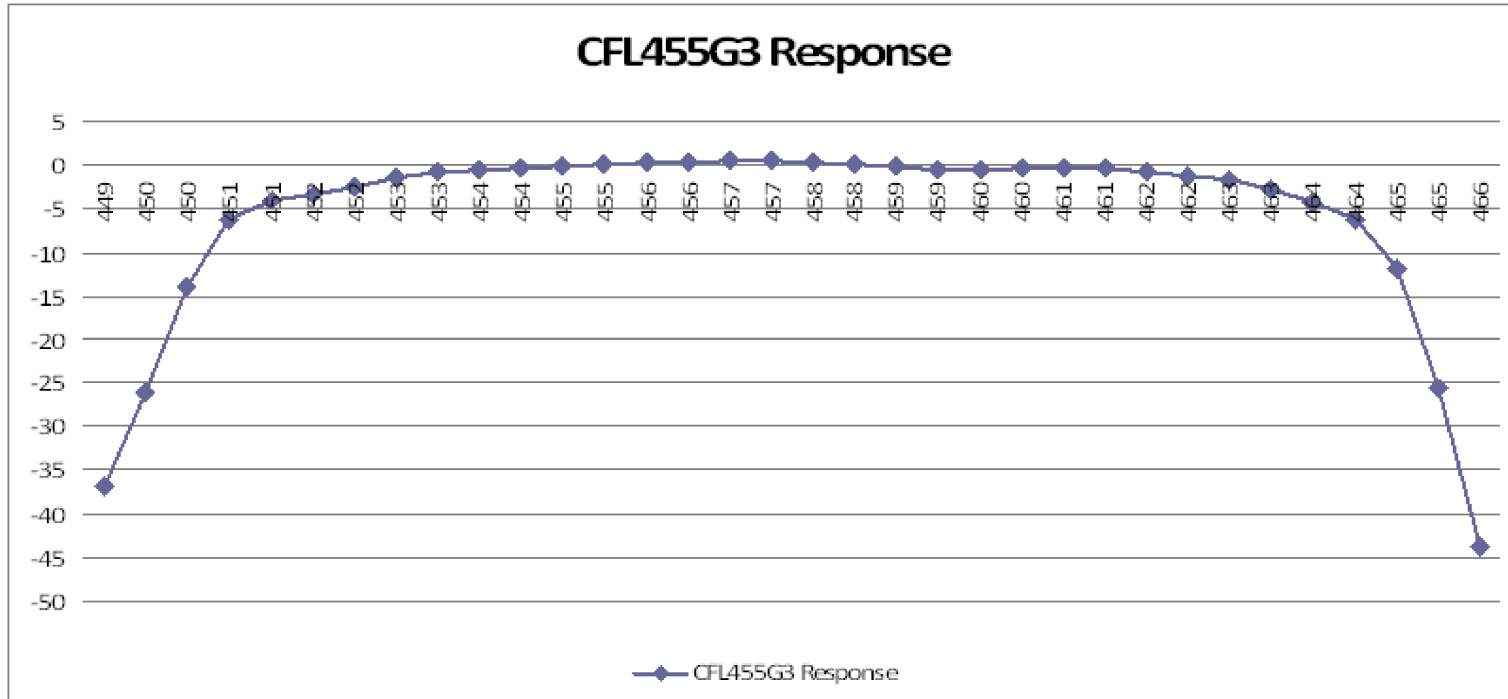


Murata Ceramic Filter

The filter has a bandwidth of 13.5 KHz at the -6 dB points. Also it is not centered on 455 KHz. The filter is centered on ~457 KHz. The lower -6 dB point is at 450.5 and the upper is at 464 KHz. So, relative to 455 KHz the filter is -4.5, +9 KHz. If you measure only the lower response you might conclude this is a +/-4.5 KHz filter. If you measure only the upper response you might conclude this is a +/- 9 KHz filter. It doesn't make a good 455 KHz AM filter. On AM the upper sideband will be 9 KHz wide. Source and load impedance: 1500 ohms.

Tom Baillio



Here's the measurement test circuit:

