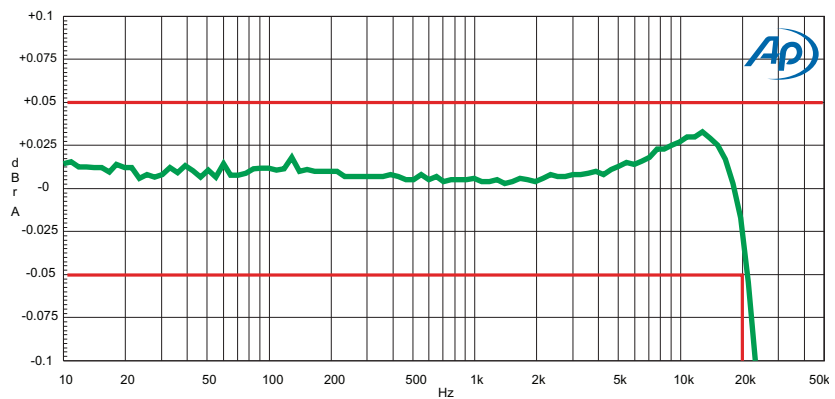


AUX-0100 overall response showing attenuation beyond the passband.



AUX-0100 passband response showing flatness out to 20 kHz.

# Specifications

## AUX-0100 switching amplifier filter

NP0020.00012r000

Characteristic	Specifications	Supplemental Information
<b><u>ELECTRICAL</u></b>		
<b>Maximum Rated Input</b>	$\pm 200$ Vpk; 140 Vrms, 20 Hz to 5 kHz, decreasing to 90 Vrms at 20 kHz	Intended for testing switch-mode (class-D) audio power amplifiers rated up to 1000 W into 8 $\Omega$ . Maximum out-of-band signal must not exceed 60 Vrms from 20 kHz to 80 kHz, or 90 Vrms above 80 kHz.
<b>Frequency Response<sup>1,2</sup></b>	$\pm 0.05$ dB, 20 Hz to 20 kHz	
<b>Insertion Loss<sup>1,2</sup></b>	Typically 0.05 dB at 1 kHz	
<b>High-Frequency Rejection</b>	Typically >50 dB, 250 kHz to 20 MHz	
<b>Interchannel Crosstalk</b>	82 dB at 20 kHz	
<b>Distortion</b>	-110 dB THD+N (70 Vpp, 1 kHz); -100 dB DFD (70 Vpp, 18 kHz + 20 kHz test tones, DFD products are at 2 kHz, 16 kHz, and 22 kHz)	

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Characteristic	Specifications	Supplemental Information
<b><u>GENERAL / ENVIRONMENTAL</u></b>		
<b>Power Requirements</b>	None	
<b>Temperature Range</b>		
Operating	0 C to +45 C	
Storage	-40 C to +75 C	
<b>Humidity</b>	90 % to +40 C (non-condensing)	
<b>Max Operating Altitude</b>	3000 m	
<b>Stabilization Time</b>	None	
<b>Dimensions</b>	426 x 80 x 263 mm [16.75 x 3.14 x 10.34 inches]	
<b>Weight</b>	5.2 kg [11.5 lbs]	

**NOTES to SPECIFICATIONS:**

- 1 Source impedance must be 2  $\Omega$  or less to 20 kHz.
- 2 Total loading capacitance of the analyzer input and interconnection cable must not exceed 360 pF, each side to ground.