



Universalfilter W2377 MK2 (api ® 500 module)

The RS filter module W2377 MK2 was conceived and designed for recording and mixing studios, satisfying the demand for covering the entire audio spectrum with a single filter unit. This universal filter concept allows using the W2377 as a subtle program equalizer, and/or as creative tool for radical EQ and tone shaping alike.

The W2377's fully parametric filter with three selectable frequency ranges covers the entire audio spectrum from 20 Hz to 23.3 kHz. Usefully, the overlapping frequency ranges are split into three decades that can be selected via a three-position switch to provide precise access to the entire frequency range of the unit. A high-grade, selected potentiometer adjusts the operating frequency while the Q-factor of the bell filter may be set between 10 and 0.3 via a rotary switch. As an additional feature, the Q-factor control includes a selectable high or low pass with a slope of 12 dB/octave at the left and right limits of the switch.

A backlit "on" pushbutton relay switch enables or disables the filter without switching noises in the signal chain. Conveniently, the brightness of the backlight can be adjusted using jumpers on the unit's electronics board.

As all Roger Schult products, the W2377 MK2 is hand-crafted and precision-engineered in Germany.

Technical Data

02 / 2015

High frequency filter (x10), "up" position
Mid frequency filter (x1), "center" position
Low frequency filter (x0.1), "down" position

2 kHz to 23.2 kHz
200 Hz to 2.3 kHz
20 Hz to 233 Hz

Gain, continuously variable rotary control

+/- 10 dB range

Q-factor, 11-position switch

0.3 / 0.5 / 0.7 / 1.0 / 1.5 / 2.5 / 4 / 6 / 10
as well as LP and HP

„on“, LED backlit pushbutton

enable / disable filter module
hard-bypass

Input (electronically balanced)

Reference input level
Maximum input level
Input impedance

+6 dBu
+23 dBu
10 kOhm

Output (electronically balanced)

Reference output level
Maximum output level
Output impedance
Gain at linear setting
Signal-to-noise ratio
Noise level (UWTD / WTD)
Harmonic distortion

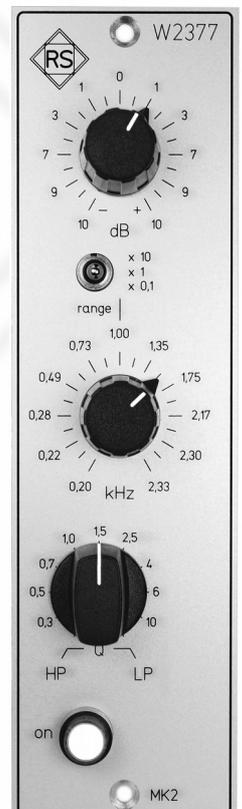
+6 dBu
+26 dBu / (0.05% THD+N)
40 Ohm
0 dB (+0.1 / -0.2 dB)
< 100 dB
< 80 dBq / < 76 dBq
THD+N / 0 dBu 0.01%

Frequency range
Delay time of hard bypass relais
Power supply

20 Hz - 40 kHz (+ 0.1 / - 0.2 dB)
max. 3 ms
+/- 16 V on api ® - system
+ max. 120 mA / -16V max. 60 mA

Module dimensions
Faceplate dimensions
Faceplate finish

115 mm x 172 mm (height x depth)
19" / 3 RU, 1.5" x 5.25" (width x height)
Aluminium, chromated
Aluminium, white powder coat (5th)
0.55 kg



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