



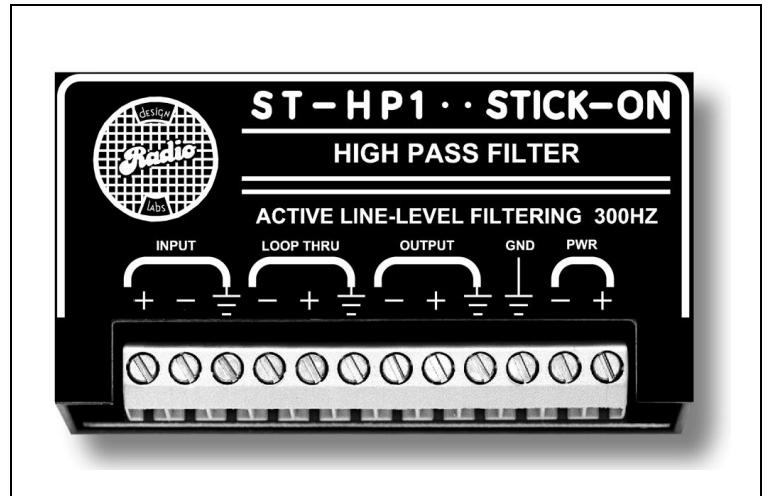
RDL® Radio Design Labs®

SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

STICK-ON® SERIES Models ST-HP1 and ST-HP2 High-Pass Filters

ANYWHERE YOU NEED...

- Horn Loudspeaker Protection
- Low-frequency Attenuation
- Line-Level Input/Output Filter
- Filter with Line Level Loop-Out
- Filtering Requiring No Field Adjustment



You Need The ST-HP1 or ST-HP2!

The ST-HP1 and ST-HP2 are part of the group of versatile STICK-ON products from Radio Design Labs. STICK-ONS feature the advanced circuitry for which RDL products are known, combined with unequalled versatility in mounting possibilities. The durable adhesives provided with the ST-HP1 and ST-HP2 permit permanent or removable mounting. Numerous available mounting accessories, brackets and rack-mount chassis are optionally available to facilitate any system design.

APPLICATION: The ST-HP1 or ST-HP2 is the ideal choice where line-level audio filtering needs to be provided at the input of a power amplifier for protection of public address horns against damage from low frequencies.

The ST-HP1/2 has one input, a loop-out and a filtered output. Both the input and output are balanced, and each may be wired unbalanced if required. The input accepts line-level (+4 dBu nominal) audio, which is fed to the filter circuitry and to the loop-out terminals. The output is filtered according to the attached attenuation curves:

Wherever a public address high-pass filter is needed, the ST-HP1 or ST-HP2 is the ideal choice. Use the ST-HP1 or ST-HP2 combined with other RDL RACK-UP®, STICK-ON, TX™, or FLAT-PAK™ series products as part of a complete audio/video system.



STICK-ON® SERIES

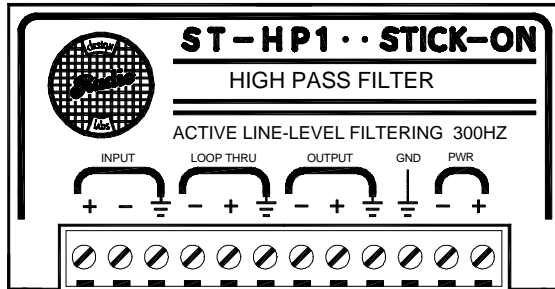
Models ST-HP1 and ST-HP2

High-Pass Filters

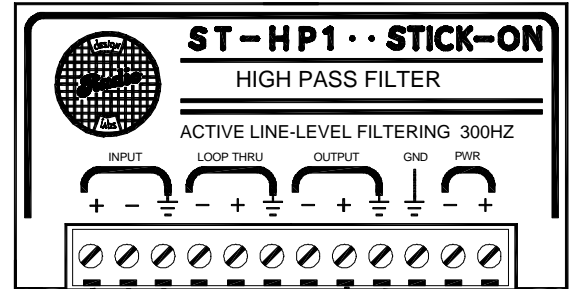
Installation/Operation



EN55103-1 E1-E5; EN55103-2 E1-E4
 Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice.



AUDIO WIRING



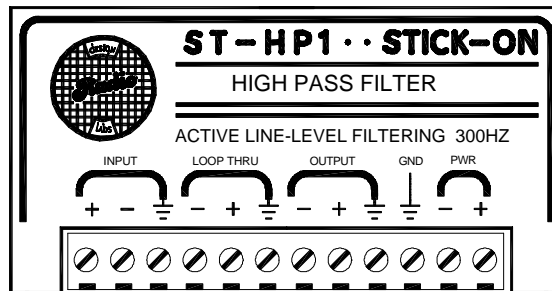
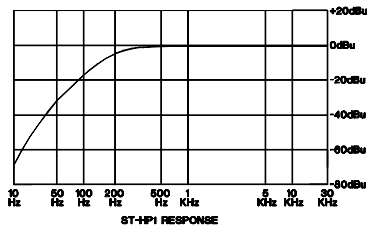
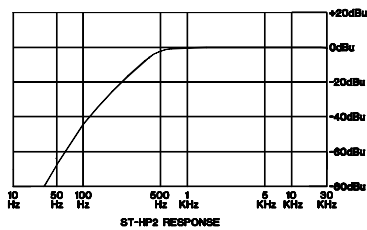
SIGNAL FROM BALANCED LINE-LEVEL SOURCE

SIGNAL FEEDING BALANCED LINE-LEVEL EQUIPMENT

USE LOOP THRU OUTPUTS TO FEED OTHER RDL EQUIPMENT

SIGNAL FROM UNBALANCED LINE-LEVEL SOURCE

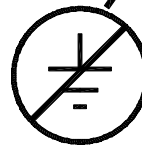
SIGNAL FEEDING UNBALANCED LINE-LEVEL EQUIPMENT



POWER WIRING

RDL PS-24 TYPE SUPPLY SHOWN. A BIPOLAR 12 OR 15 VOLT DC SUPPLY MAY BE USED WITH BIPOlar SUPPLY GROUND CONNECTED TO MODULE GND.

DO NOT GROUND NEGATIVE



24 VDC POWER SOURCE

TYPICAL PERFORMANCE

ST-HP1 Freq. Response: 350 Hz - 30 kHz (+/- 0.25 dB)
 300 Hz - 30 kHz (+/- 0.5 dB)

ST-HP1 -3 dB Frequency: 225 Hz

ST-HP1 Minimum Rolloff: 12 dB/octave

ST-HP2 Freq. Response: 500 Hz - 30 kHz (+/- 1.0 dB)

ST-HP2 -3 dB Frequency: 450 Hz

ST-HP2 Minimum Rolloff: 18 dB/octave

THD+N: < 0.005%

Residual Noise: < -90 dB (below operating level)

Insertion Loss: < 2 dB

Headroom: 18 dB

Power Requirement: 24 to 33 Vdc @ 30 mA, Floating