

Matching networks

N7FS / N8HFS

Matching networks provide the interface between power amplifiers and piezoelectric shakers. The impedance which the shaker presents to the power amplifier is capacitive (reactive) and therefore decreases with increasing frequency. To provide improved performance from the shaker, impedance matching is needed. The matching network provides voltage step-up to allow the piezoelectric shaker to be driven at its full voltage level. At very high frequencies, lower output voltages are used to better match the reactive load. Additional functions such as channel separation, distortion reduction, and fusing are also provided by some matching networks. All N7/N8 series networks are 19" rack mountable.

SPECIFICATIONS

	N7FS	N8HFS
Input voltage, rated output	60 V rms	60 V rms
Output voltage, max	100, 200, 300, 500, 800	360
Connectors:		
Input	Speakon (NL4MP) ¹	Speakon (NL4MP) ¹
Output	Bendix SP00A-8-3S (F7) ²	Bendix SP00A-8-3S (F7) ²
Dimensions, W x H x D (including handles)	19 x 7 x 13 in. (483 x 178 x 330 mm)	19 x 7 x 13 in. (483 x 178 x 330 mm)
Weight	37 lb. (16.8 kg)	25 lb. (11.4 kg)
Circuit breaker	10 amps	10 amps
Recommended amplifier	PA8HF	PA8HF
Compatible shakers	F7	F7-1, F7

Notes: ¹ Compatible with Wilcoxon R22 cable connector.

² Compatible with Wilcoxon R4M cable connector.

Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.