



## N7FS, N8FS and N8HFS series Matching networks

Matching networks provide the interface between power amplifiers and piezoelectric shakers. The impedance which the piezoshaker 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.

N7 Series	N7FS	Units	
Input voltage, rateoutput.	60	V rms	
Output voltage, max ...	100, 200, 300, 500, 800	V rms	
Connectors:			
input .....	Speakon (NL4MP) <sup>1</sup>		
output .....	Bendix SP00A-8-3S (F7) <sup>2</sup>		
Dimensions.....	19 W x 7.3 H x 13 D	inch	
(including handles)	483 x 184 x 330	mm	
Weight .....	37	lbs	
	16.8	kg	
Circuit breaker .....	10	amps	
Recommended amplifier	PA8HF		
Compatible shakers ...	F7		
N8 Series	N8FS	N8HFS	Units
Input voltage, .....	60	60	V rms
ratedoutput			
Output Voltage, max. ....	300, 450, 800, 1150, 1500	360	V rms
Connectors:			
input .....	Speakon (NL4MP) <sup>1</sup>	Speakon (NL4MP) <sup>1</sup>	
output .....	HV BNC <sup>3</sup>	Bendix SP00A-8-3S <sup>2</sup>	
Dimensions.....	19 W x 7.3 H x 13 D	19 W x 7.3 H x 13 D	inches
(including handles).....	483 x 184 x 330	483 x 184 x 330	mm
Weight .....	40	25	lbs
	18.2	11.4	kg
Circuit breaker .....	10	10	amps
Recommended amplifier	PA8HF	PA8HF	
Compatible shakers .....	D60H, D60L D125L	F7-1, F7	

Notes: <sup>1</sup>Compatible with Wilcoxon R22 cable connector.  
<sup>2</sup>Compatible with Wilcoxon R4M cable connector.  
<sup>3</sup>Compatible with Wilcoxon R7 cable connector.

Wilcoxon Research Inc  
 20511 Seneca Meadows Parkway  
 Germantown, MD 20876  
 USA

Tel: 301 330 8811  
 Fax: 301 330 8873  
 Email: sensors@wilcoxon.com

www.meggitt.com

