



Loudspeaker transformers with up to 500 Watts power

With these universal transformers a constant voltage input signal (100 V) with up to 500 Watts of power may be transformed into a loudspeaker impedance. The transformers may be mounted directly in the speaker enclosure. All technical data and specifications of these high quality transformers, especially their low distortion and linear frequency response, meet the highest demands of the contemporary professional

audio industry. The transformers are of the EI-core or toroid type and are precision wound in multiple interchanging layers for maximum frequency response. The electrically separate primary- and secondary windings comply with all major international safety regulations. Connection: soldering taps or AMP-pins, toroidal models with open ended cable.

TECHNICAL DATA

Model	EI-Core or toroid								Toroid				
	XE 015LS 100/8	XE 025LS 100/8	zXE 025LSM 100/8	XE 030LS 100/8	XE 050LS 100/8	XE 060LS 100/8	XE 100LS 100/8	XF120 TCLS 100/8	XF200 TCLS 100/8	XF240 TCLS 100/8	XF300 TCLS 100/8	XF500 TCLS 100/8	
Power (Watts)	15	25	25,15,10	30	50	60	100 W	120 W	200 W	240 W	300 W	500 W	
Load impedance 100 V	4/8 Ω	4/8 Ω	4/8 Ω	4/8 Ω	4/8 Ω	4/8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	8 Ω	
Input impedance	459 / 430 Ω	329 / 311 Ω	325 / 500 / 820/8 Ω	270 / 230 Ω	163/153 Ω	135/124 Ω	87,5 Ω	69 Ω	41 Ω	35 Ω	26,5 Ω	16,5 Ω	
Output voltage @ 1 kHz	10,8 / 7,9	14,35 / 10,1	14,0 / 10,8 / 8,5,8	16	20,1 / 14,3	22,2 / 15,8	28,0 V	30,9 V	39,7 V	44 V	49 V	63,1 V	
Peak power handling*	15,3 / 15,4	25,7 / 25,5	24,5/14,9/10,1	31/30,9	50,5/51,1	61,6/62,4	98,1	119	197	242	300	498	
Frequency response @ 100 V, typ. (dB)													
50 Hz	-0,2	-0,2	-0,2	-0,2	-0,2	-0,2	-0,2	-0,1	-0,1	-0,2	-0,2	-0,2	
1 000 Hz	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0	±0	
16 000 Hz	-0,7/1,2	-0,7/-1,2	-0,6/-0,2/-0,2	-0,7/-1,2	-1,2/-2,1	-1,8/3,2	-0,8	-1,1	-2,1	-1,2	-2,9	-2,6	
Dimensions (W x D x H mm)	50 x 45 x 61	63 x 55 x 79	63 x 55 x 79	63 x 55 x 79	63 x 59 x 79	63 x 66 x 79	70 x 83 x 86	99 x 47	120 x 47	99 x 65	130 x 48	145 x 55	
Weight (kg)	0,5	0,83	0,81	0,86	1,05	1,25	2,0	1,5	2,2	2,0	3,0	4,2	

*secondaryside @ 50 Hz rated load impedance

Architect specifications

High quality wide band loudspeaker transformers for conversion of constant voltage signals (100 V) of up to 500 W power into low impedance speaker feeds; transformers shall be mountable in speaker enclosures; the transformers shall be of splitcore-EI or toroid type with low stray, low distortion (THD) and flat frequency response within 50-16000 Hz;

separate primary and secondary windings shall provide complete electrical insulation; the transformer shall comply with major safety standards.

power: type: