

Massive loudspeaker terminals enabling make Bi-wiring and electric current to 200A

CE and IEC massive loudspeaker terminals with maximum electric current 200 A enable

the connection of the loudspeaker cable with a big cross section. They are all isolated by transparent makrol. Terminals are made by high pure brass. They are golden for the highest reliability and maximum contact resistance.

DEADLINE AUDIO

Basic technical Parameters:

	TS 600	TS 700	
Rated Output Power	300 W 180 W	300 W 180 W	4 Ohms 8 Ohms
Bridged mode	800 W 400 W	800 W 400 W	4 Ohms 8 Ohms
Frequency Response	20-20 000 Hz 3-250 000 Hz	20-20 000 Hz 3-350 000 Hz	+0/-0.05 dB +0/-3 dB IHF-A, rel to 180 W / 8 Ohms (22 Hz - 22 kHz) (1 kHz, 1 dB below rated power) (70 Hz / 4 kHz, 4 : 1, 1 dB below rated power)
Signal to Noise Ratio	>120 dB	>120 dB	RMS for 300 W / 4 Ohms parallel with 220 pF
Channel Separation	>120 dB	>120 dB	
THD + Noise	<0.01 %	<0.01 %	idle peak
Intermodulation Distortion	<0.01 %	<0.01 %	
Input Sensitivity	1 V	1 V	
Input Impedance	4,7 kOhm	4,7 kOhm	
Slew Rate	>45 V/μS	>60 V/μS	
Number of Outputs	4	4	
Power Consumption	40 W 850 W	80 W 880 W	
Channel Balance	within 0.2 dB	within 0.2 dB	
Polarity	Non-inverting	Non-inverting	
Output Load Impedance	Stereo operation Bridged operation	Stereo operation Bridged operation	4-16 ohms 4-16 ohms
Power Requirements	AC 230 V / 120 V ± 10% 50 / 60 Hz	AC 230 V / 120 V ± 10% 50 / 60 Hz	
Dimensions	(W x H x D) [mm]	(W x H x D) [mm]	480 x 150 x 400
Weight	35 kg 40 kg	35 kg 40 kg	net weight shipping weight

All operational features functions and specifications and policies are subject to change without notification.

DUAL MONAURAL POWER AMPLIFIERS

TS 600 Bipolar

TS 700 Mosfet



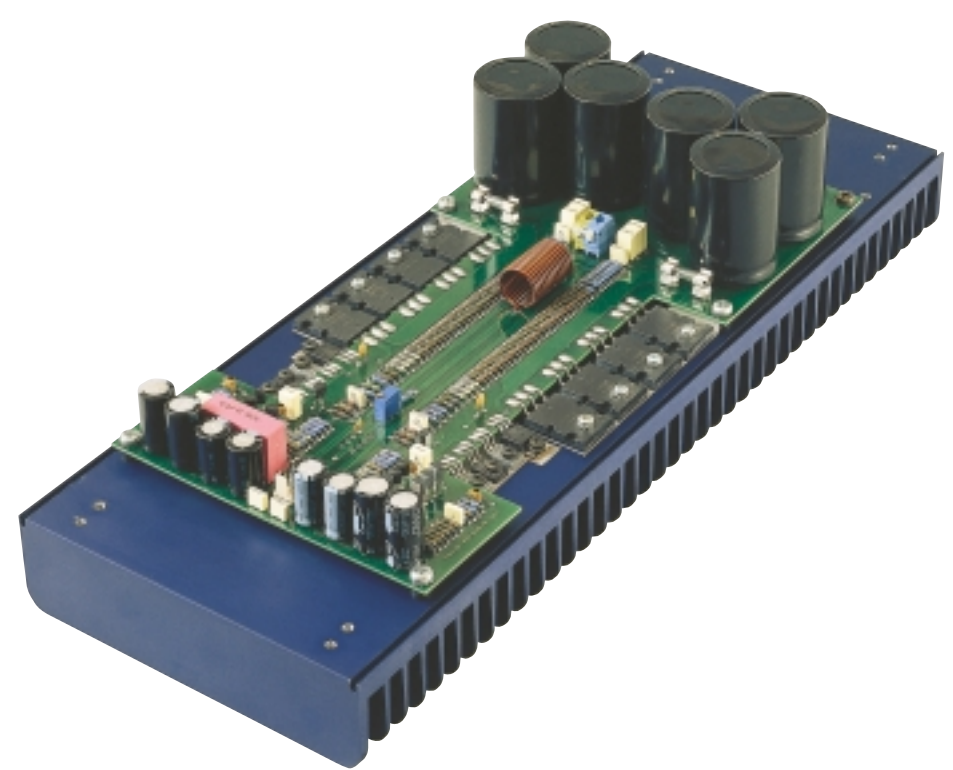
Dual monaural power amplifiers TS 600, TS 700 are a result of wide practical experience in the field of Audio technique. All components are chosen after detailed and uncompromising selection, which insists on their high electric and audio quality. Attentions are focused on uncompromising design of construction and production, as well as individual settings for each particular amplifier. The main criterion is always maximum high audio quality, which certainly over joys hearts of every lovers of absolutely perfect music reproduction.

Technology with a symmetric circuit, a mechanical solution with electric and mechanical separated right and left channel eliminates cross talks between

channels. This also ensures real detailed sound with exact presentation of right-left, and also front-back spatial display. The amount of sensible details, localization of equipments and also transparence of all music records are increasing. Using this technique the sound is pleasurable. Spatial sensation from reproduction is very realistic. The listeners are dragged into the music and they have the impression of physical being of musicians.

TS 600 and TS 700 are using a special circuit solution with labeling "PXP 1000" for suppression of transient distortion, whereby it is achieved of error-free distortion even the smallest details of swelling signal.

Power amplifiers have to be able to supply high output electric current for close music reproduction with excellent dynamics and non-distortion sound. It demands a sufficient power supply with low impedance, and a power grade with a big current reserve. There are two high power toroid transformers with winding. These are made using special technology for the best electric attributes and filter condensers with very high capacity



Bridged mode creates a true monophonic amplifier with 800 Watts into 4 Ohms and 600 Watts into 8 Ohms

Principle of the bridge mode: Both channels of the power amplifiers are regulated by the same signal voltage but with opposite phase, and their output is connected. TS 600 and TS 700 offers the switch for the bridge mode on the back panel, which changes the amplifiers to monaural, with very high power 800 Watts into 4 Ohms and 600 Watts into 8 Ohms.

(60.000 μF) to ensure a power supply of TS 600. Four parallel driven transistors 150W – 15A are used together for the best conformity of electric parameters, which are used in power grade. That is the reason, why TS 600 and TS 700 can regulate high loading with calm and authority. Switch on the back panel enables switching into modes: dual mono and bridge, which allow utilization of still high power.

Parameters bandwidth are - TS600 2-250kHz, TS 700 2-350kHz, S/N < 120dB, distortion (> 0,01) and other parameters are on a very high level, which determinate TS 600 and TS 700 for enlistment to reproduction chains enabling utilization of high quality attributes of new systems for sound records

SACD and DVD AUDIO. TS 600 and TS 700 are completely prepared for the requirements of future equipments.

Big transferring bandwidth and 100% stability

Swelling signal reproducing by TS 600 and TS 700 are also very clear on high frequency and transfer of transient signals is absolutely accurate. Thanks to the use of a special circuit solution in exciting grade, TS 600 and TS 700 are also stabile during re-excitation and limitation of signal is gradual (similar to electronic equipments) without jamming signals. Loss of brilliant attributes does not happen during dynamic peaks. It appears, that the amplifiers have two times

more power. High stability guarantees, that the amplifiers are able to excite in loudspeaker systems with complex crossover and not to be sensitive to used cables.

Power unit contains 4 parallel transistors for output powers: 300 Watts into 4 Ohms and 180 Watts into 8 Ohms.

Elementary switching between mono and bridge

By means of the switch on the back panel is very easy to switch between modes: stereo, dual mono and bridge.

Symmetric connection

TS 600 and TS 700 have symmetric input connectors. Symmetric transfer of signals means, that two signal lines use the same signal but in phase opposite (antiphase). Signals are mixed in the input of the symmetric amplifier. Signal noise or hum, which will be present in both lines with the same phase, will be suppressed and consequential sound will be original and clear without jamming signals.

Golden signal traces

All important signal traces such as input connectors, output connectors, are golden from the reason of the highest long-term reliability.



Power supply with a toroid transformer and with high filter capacity

Power supply is very important for every amplifier. TS 600 and TS 700 have two high power toroid transformers with maximum power 500 VA. Toroid transformers have very low impedance and they are wounded by special technology for audio applications. Filter capacity is 60.000 μF for one channel, which provides excellent filter ability and high reserve of power.