

SPECIFICATIONS

No. _____

STK443-090

1999.08.09

1. Case Outline 18Pins (See attached outline drawing)
2. Function class AB 3 channels AF power amplifier
3. Application 50W audio use
4. Maximum Ratings / Ta = 25°C

Item	Symbol	Conditions	Ratings	Unit
Power Supply Voltage 1	Vcc max(1)	No signal	±54	V
Power Supply Voltage 2	Vcc max(2)	Signal, RL=8Ω, 6Ω	±47	V
Thermal Resistance	j-c	Per one power TR	2.2	°C/W
Junction Temperature	Tj max		150	°C
Operating Substrate Temperature	Tc max		125	°C
Storage Temperature	Tstg		- 30 ~ +125	°C
Available Time for Load Short-circuit *4	ts	Vcc=±35V, RL=6Ω, f=50Hz PO=50W, 1ch drive	0.3	s

5. Operating Characteristics

Tc=25°C, RL=6Ω(Non-inductive Load), Rg=600Ω, VG=30dB

Item	Symbol	Conditions *2				Ratings			Unit	
		V (V)	f (Hz)	Po (W)	THD (%)	MIN.	TYP.	MAX.		
Output Power *1	Po1	±35	20 to 20k		0.4	50			W	
	Po2	±35	1k		10		80			
THD *1	THD	±35	20 to 20k	50			0.2		%	
Frequency Characteristics *1	fL, fH	±35		1.0		+0 -3 dB	20 to 50k		Hz	
Input Impedance	ri	±35	1k	1.0			55		kΩ	
Output Noise Voltage *3	VNO	±42				Rg=2.2 kΩ		1.0	mVrms	
Quiescent Current	ICCO	±42						120	mA	
Output Neutral Voltage	VN	±42					-70	0	+70	mV

Specifications and information herein are subject to change without notice.

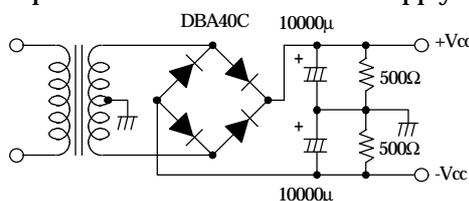
Note *1.1ch Drive

*2.All tests are measured using a constant-voltage supply unless otherwise specified.

*3.The output noise voltage is peak value of an average-reading meter with a rms value scale(VTVM).
A regulated AC supply(50Hz) should be used to eliminate the effects of AC primary line flicker noise.

*4.Available time for load short-circuit and output noise voltage are measured using the specified transformer power supply.

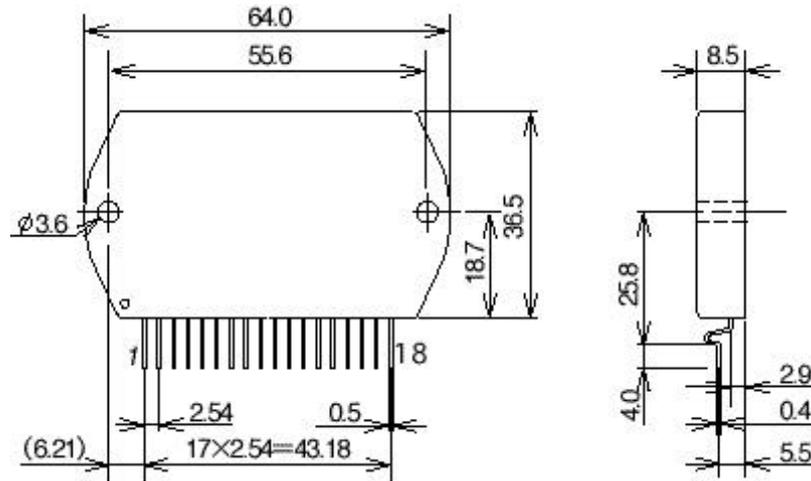
Specified Transformer Power Supply



(Equivalent to MG-200)

Case Outline (STK443-090)

Unit:mm



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