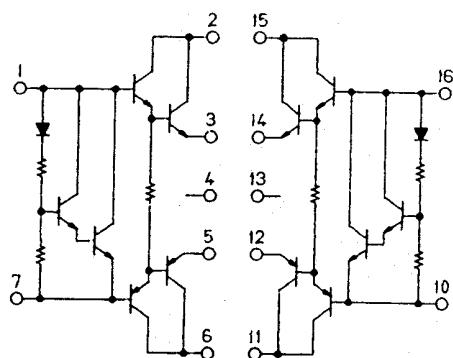


2CH PURE COMPLEMENTARY D. P. P. SERIES

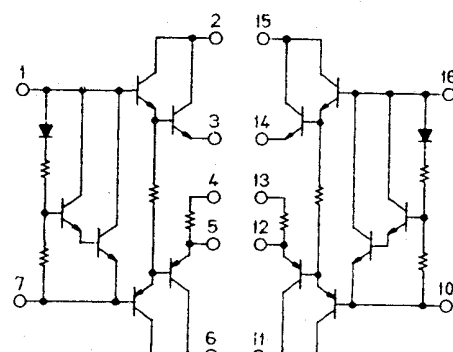
2ch 純コンプリメンタリー ターザンソン パワーボック シリーズ

Type No Series Name	Maximum Rating 最大定格						Recommended Operation 推奨動作		Electrical Characteristics 電気的特性		With Ro Ro 付
	Vcc max	θ_{j-c}	IC max	Tj	Ts	Tstg	Supply Voltage Vcc at RL=8 Ω		Closed Loop Gain	Po max/RL=8 Ω THD	Ro=0.22 Ω
	V	$^{\circ}\text{C/W}$	A	$^{\circ}\text{C}$	sec	$^{\circ}\text{C}$	V		dB	W %	
STK 2030	± 48	2.1	4	150	2		± 30.0		40	30 0.01	No
STK 2230	± 48	2.1	4	150	2	-30	± 30.0		40	30 0.01	Yes
STK 2040	± 54	1.8	5	150	2	~	± 33.5		40	40 0.01	No
STK 2240	± 54	1.8	5	150	2	+105	± 33.5		40	40 0.01	Yes
STK 2050	± 59	1.8	5	150	2		± 37.0		40	50 0.01	No
STK 2250	± 59	1.8	5	150	2		± 37.0		40	50 0.01	Yes

■ EQUIVALENT CIRCUIT



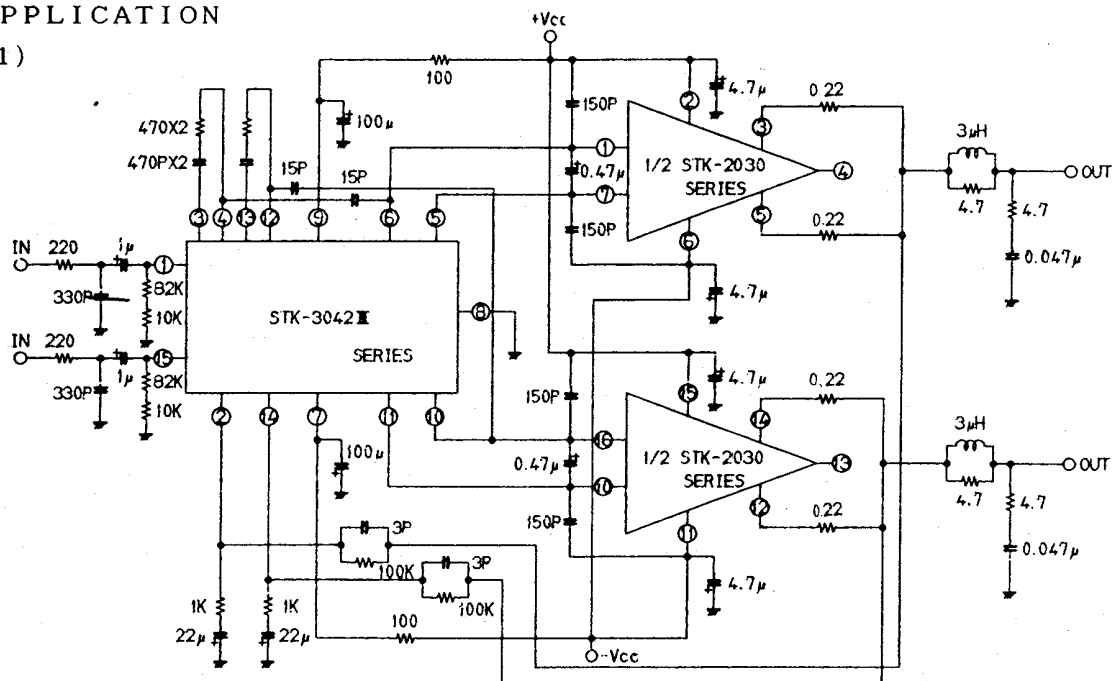
(STK2030,2040,2050)



(STK2230,2240,2250)

■ APPLICATION

(1)



(2)

The circuit diagram shows a two-channel audio amplifier. The first channel uses an STK-3042 III SERIES IC, which is a dual in-line package with 15 pins. It is powered by a +Vcc supply (pin 1) and a -Vcc supply (pin 15). The input signal (IN) is connected to pin 1 through a 220 ohm resistor and a 330pF capacitor. The output of the first channel is connected to pin 14 through a 10K resistor and a 330pF capacitor. The second channel uses an STK-2230 SERIES IC, which is a dual in-line package with 12 pins. It is powered by a +Vcc supply (pin 1) and a -Vcc supply (pin 12). The input signal (IN) is connected to pin 1 through a 220 ohm resistor and a 330pF capacitor. The output of the second channel is connected to pin 11 through a 10K resistor and a 330pF capacitor. Both channels have a feedback network consisting of a 100 ohm resistor and a 100uF capacitor. The output of each channel is connected to a 3uH inductor and a 4.7 ohm resistor, which is then connected to the output terminal (OUT). The circuit also includes a 15pF capacitor connected to the +Vcc supply and a 15pF capacitor connected to the -Vcc supply.

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions in millimeters. The drawing includes a front view and a side view.

Front View Dimensions:

- Overall width: 78
- Inner width: 70
- Overall height: 44
- Height of the lower section: 9
- Height of the upper section: 21.5
- Radius of the upper corners: $R10$
- Two holes on the left side, each with a diameter of $\phi 3.4$.
- Bottom section width: 38.1
- Bottom section height: 2.54
- Distance from the left edge to the center of the bottom section: (15.95)

Side View Dimensions:

- Overall height: 26.5
- Width of the top section: 8
- Width of the bottom section: 6
- Distance from the top edge to the center of the bottom section: 3.4

Coil: $3 \mu H$

	* R19,R20 R21,R22	*(J)
STK2230 STK2240	without	with
STK2030 STK2040	with	without