

STK4024 V Series

★1ch./1package, $\pm$ Power Supply

★20W~200W

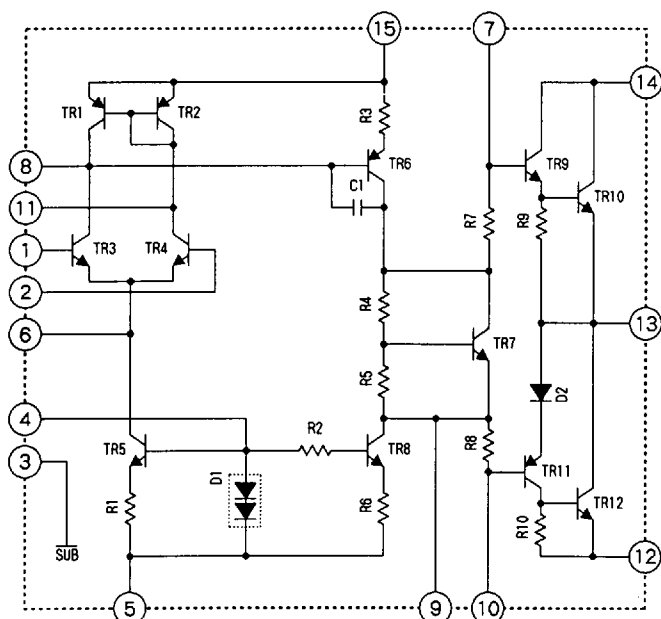
★THD = 0.08%

Model	Maximum Ratings 最大定格	Recommended Operating Conditions 推奨動作条件		Operating Characteristics (Recommend Operating Conditions at Test Circuit) 動作特性(Test Circuitにて 推奨動作条件による)			
	Vcc max [V]	Vcc [V]		Po max 1 RL=8 Ω f=20~ 20kHz [W]	THD (V _G =40dB) [%]	Po max 2 RL=4 Ω f=1kHz [W]	THD (V _G =40dB) [%]
		RL=8 Ω	RL=4 Ω				
*STK4024 V	± 37.0	± 24.5	± 21.5	20	0.08	20	0.2
*STK4026 V	± 39.0	± 26.0	± 22.0	25	0.08	25	0.2
*STK4028 V	± 42.0	± 27.5	± 25.0	30	0.08	35	0.2
*STK4030 V	± 46.0	± 30.0	± 27.0	35	0.08	40	0.2
STK4032 V	± 49.0	± 32.0	± 29.0	40	0.08	45	0.2
STK4034 V	± 50.0	± 33.5	± 30.5	45	0.08	50	0.2
*STK4036 V	± 52.0	± 35.0	± 31.0	50	0.08	55	0.2
STK4038 V	± 57.0	± 38.0	± 32.5	60	0.08	60	0.2
*STK4040 V	± 62.0	± 42.0	± 36.0	70	0.08	70	0.2
*STK4042 V	± 65.0	± 45.0	-	80	0.08	-	-
*STK4044 V	± 73.0	± 51.0	-	100	0.08	-	-
*STK4046 V	± 80.0	± 55.0	-	120	0.08	-	-
*STK4048 V	± 87.0	± 60.0	-	150	0.08	-	-
*STK4050 V	± 95.0	± 66.0	-	200	0.08	-	-

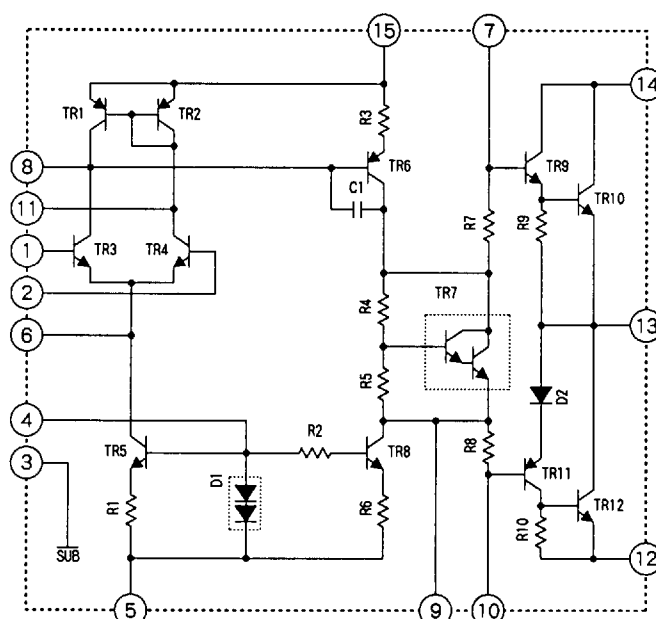
* Under mass production

■ Equivalent Circuit

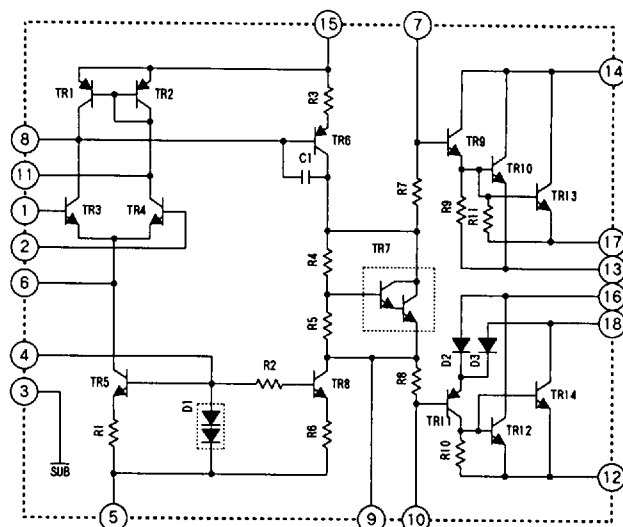
① STK4024 V~STK4040 V



② STK4042 V~STK4044 V

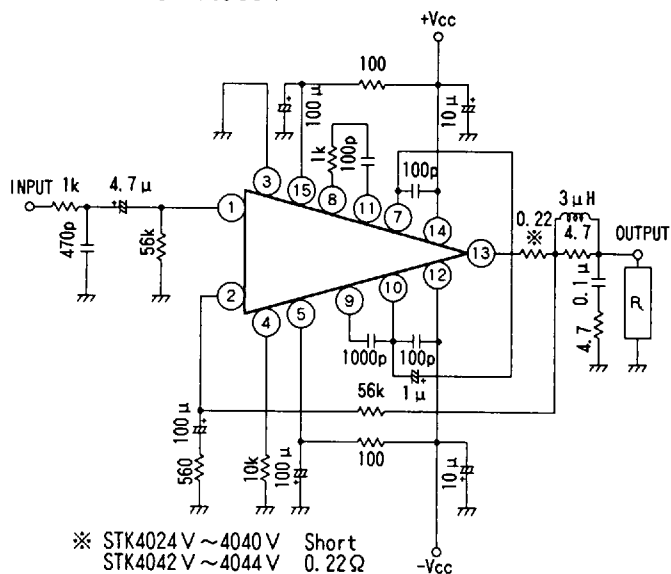


© STK4046 V ~ STK4050 V

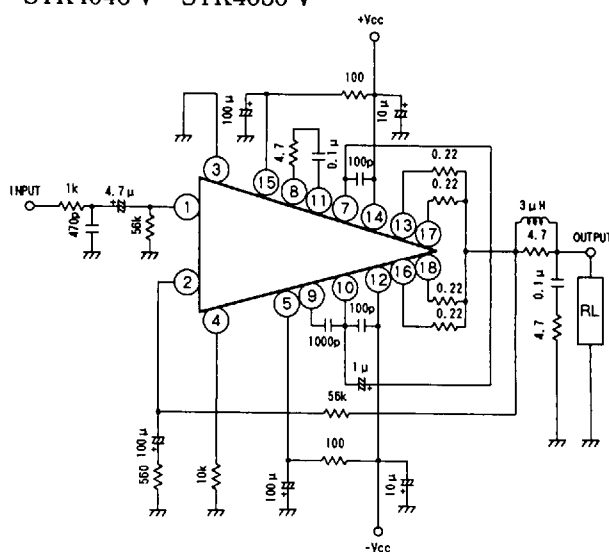


■ Test Circuit

STK4024 V ~ STK4044 V



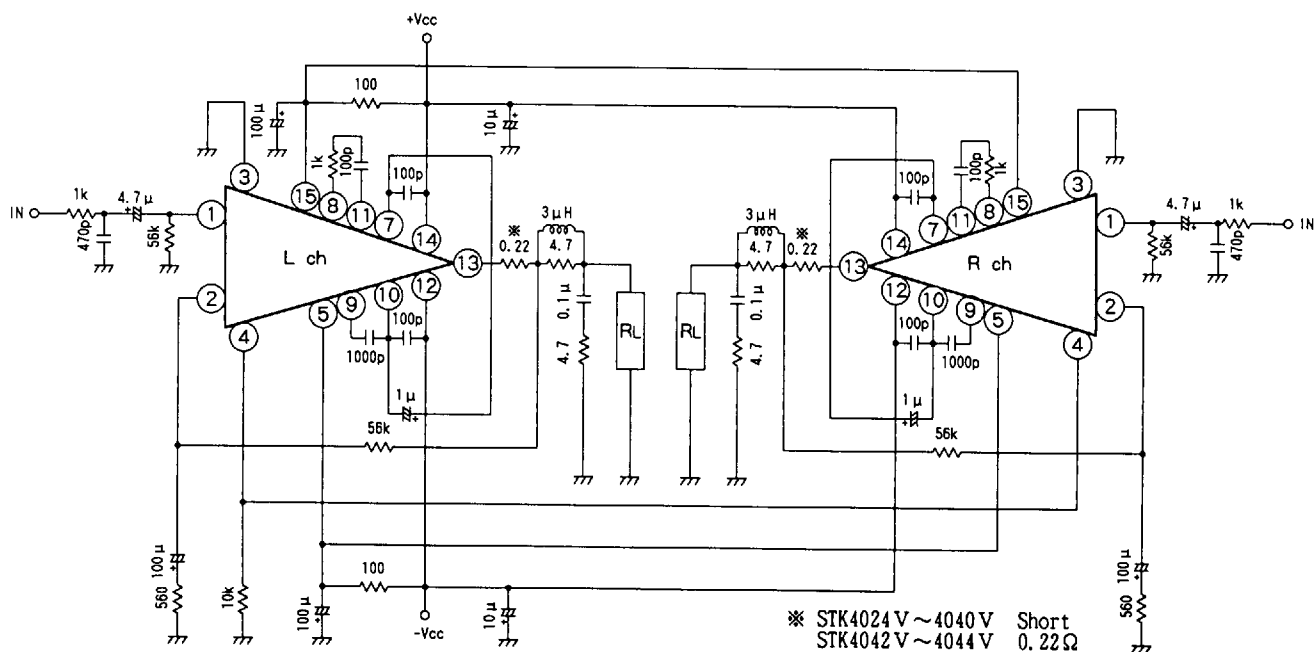
STK4046 V ~ STK4050 V



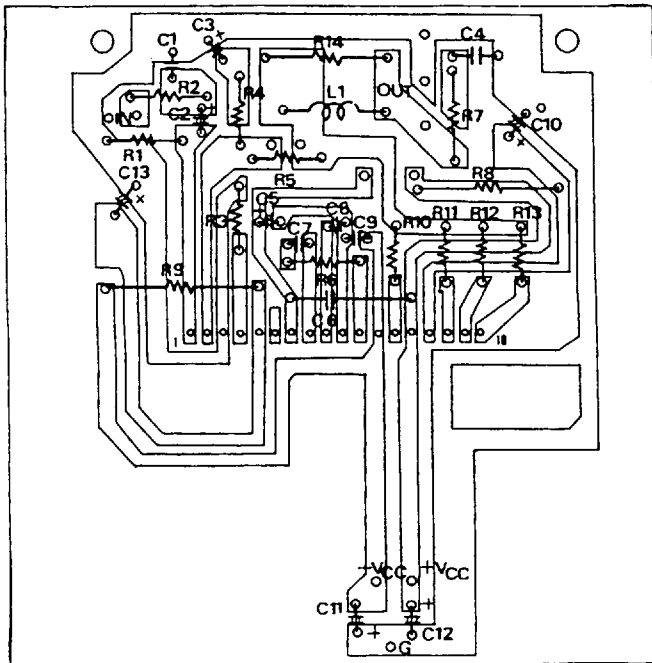
■ Application Circuit

(Stereo Amplifier)

@ STK4024 V ~ STK4044 V



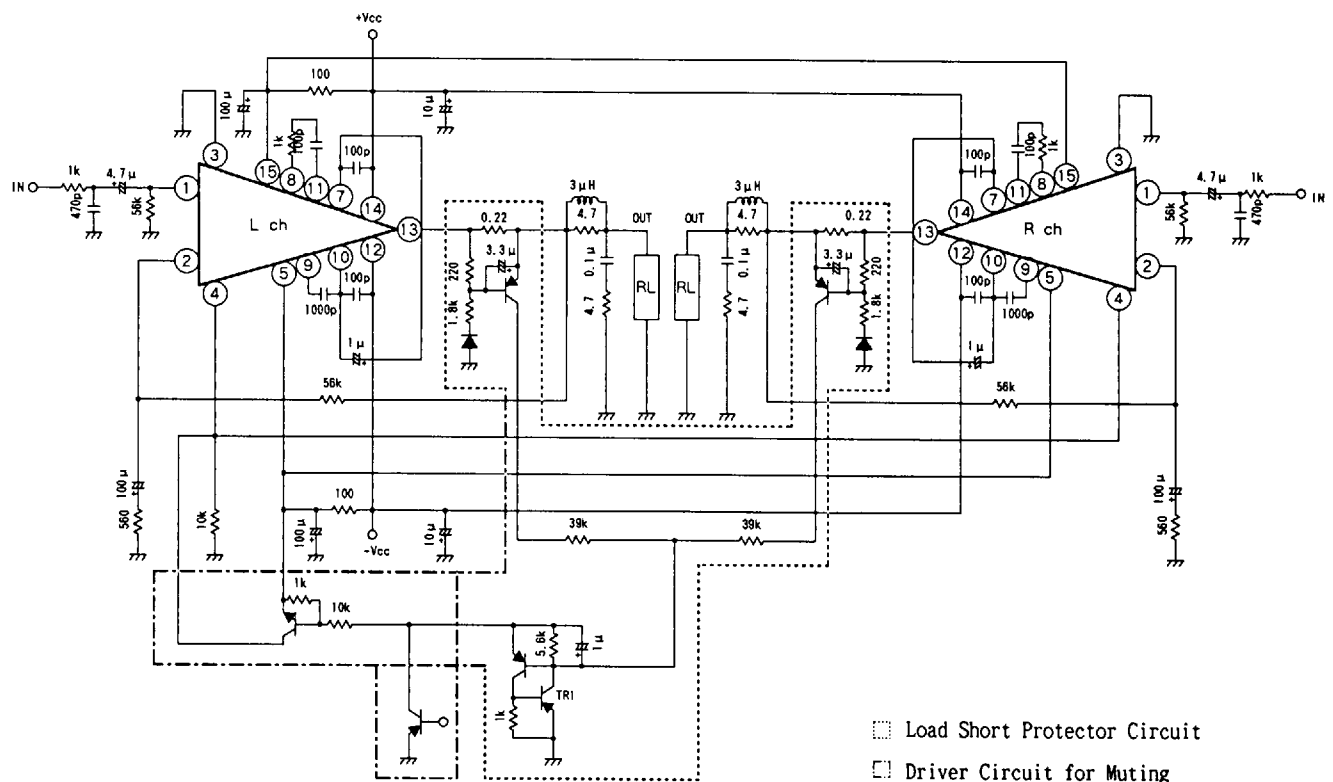
■ Sample Application PCB (Cu - foil side)



R1	56k	C1	470p	L1	3μH
R2	1k	C2	4.7μ		
R3	10k	C3	100μ		
R4	560	C4	0.1μ		
R5	56k	C5	1μ		
R6	1k	C6	100p		
R7	4.7k	C7	100p		
R8	100	C8	1000p		
R9	100	C9	100p		
R10	0.22	C10	100μ		
R11	0.22	C11	10μ		
R12	0.22	C12	10μ		
R13	0.22	C13	100μ		

	R10	R11, 12, 13	L1, R14
4024V 4040V	Short	Open	Short
4042V 4044V	0.22	Open	3μH 4.7Ω
4046V 4048V 4050V	0.22	0.22	3μH 4.7Ω

■ Load Short Protector & Muting Circuit



- Load Short Protector Circuit
- Driver Circuit for Muting