

STK4024 V Series

★1ch./1package, $\pm$ Power Supply

★20W~200W

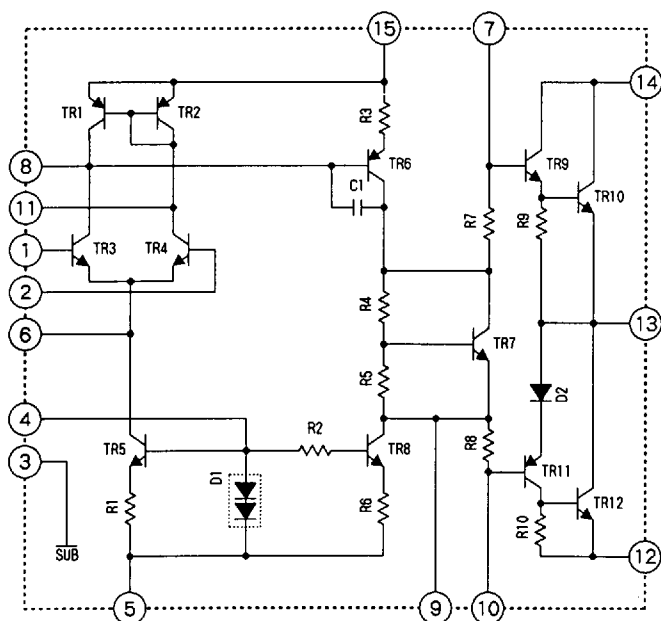
★THD = 0.08%

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	-	-

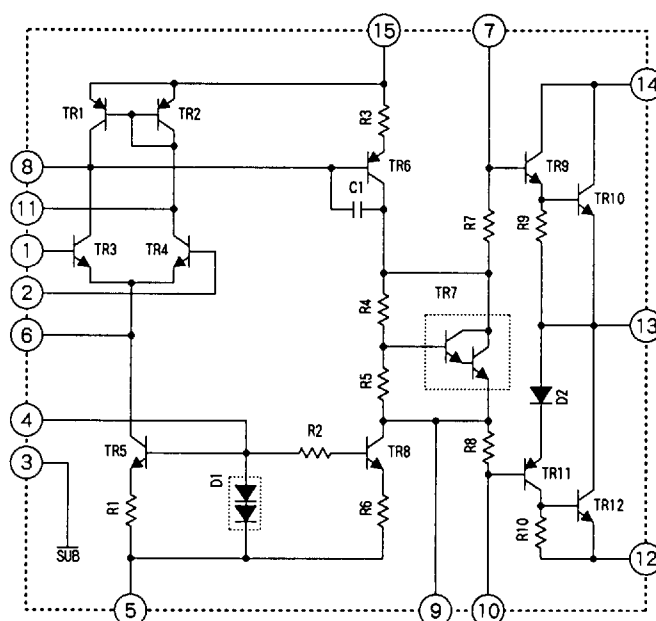
* Under mass production

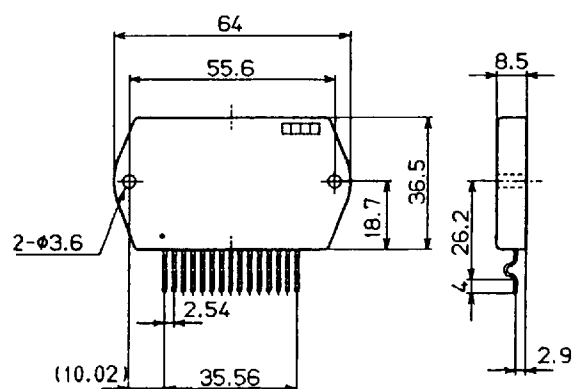
■ Equivalent Circuit

① STK4024 V ~ STK4040 V



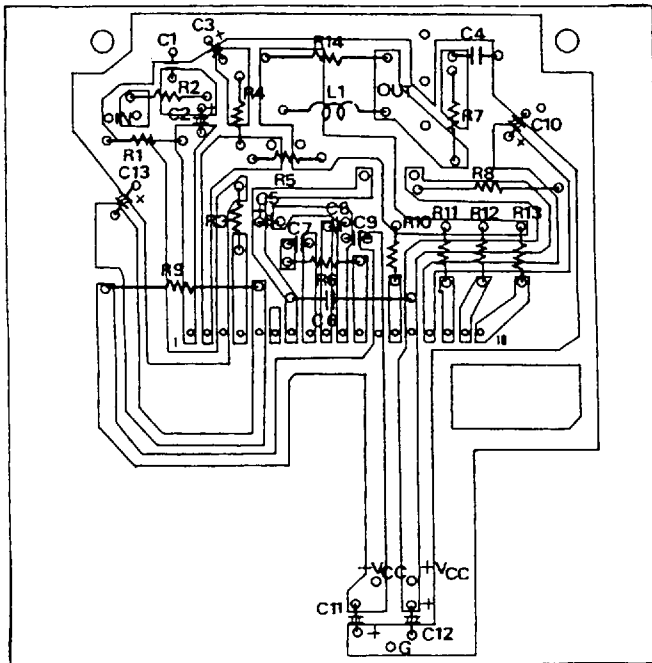
② STK4042 V ~ STK4044 V





Technical drawing of a mechanical part, showing a front view and a side view. The front view is a rectangle with a width of 78 and a height of 44. The top edge is rounded with a radius of 70. The bottom edge is also rounded with a radius of 21.5. The bottom edge is divided into two sections: a left section of 113.41 and a right section of 43.18. The bottom edge is also divided into two sections: a left section of 2.54 and a right section of 2.9. The side view shows a profile with a total height of 28.5 and a width of 9. The bottom edge of the side view is rounded with a radius of 2.9. The drawing includes dimension lines and numerical values for all dimensions.

■ Sample Application PCB (Cu - foil side)



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

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

■ Load Short Protector & Muting Circuit

