

<h1 style="margin: 0;">SANYO</h1> <h2 style="margin: 0;">SPECIFICATIONS</h2>	Thick Film Hybrid IC <h1 style="margin: 0;">STK426-530</h1> 2-channel High Efficiency AF Power Amplifier
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- ◆Case Outline
22 pins (See attached case outline drawing.)
- ◆Function
2-channel high efficiency AF power amplifier
- ◆Application
100W audio use
- ◆Feature
 - Low power consumption
 - Built-in thermal detection circuit and switch circuit of AB class

◆Maximum Ratings / Ta = 25 °C

Item	Symbol	Conditions	Ratings	Unit
Power Supply Voltage	Vcc max		±77	V
Thermal Resistance	θ_{j-c}	Per one power TR	1.5	°C/W
Junction Temperature	Tj		150	°C
Operating Substrate Temperature	Tc		125	°C
Storage Temperature	Tstg		-30 to +125	°C
Available Time for Load Short-circuit #1	ts	Vcc=±49V, RL=6Ω, Po=100W, f=50Hz, V12=0V	0.5	s
Pin12 Input Voltage	V12		25	V

◆Operating Characteristics / Ta=25 °C, RL=6Ω (Non-inductive Load), Rg=600Ω, VG=40dB, 100kHz LPF ON

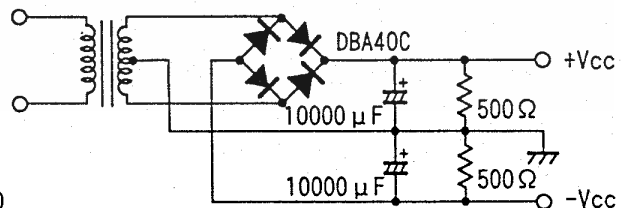
Item	Symbol	Conditions				Ratings			Unit	
		Vcc[V]	f[Hz]	Po[W]	THD[%]	min.	typ.	max.		
Operating Power Supply Voltage	Vccop					±25	-	±77	V	
Quiescent Current	Icco	±63				20	-	120	mA	
Output Power #1	Po	±49	20 to 20k		0.4	100	-	-	W	
Total Harmonic Distortion #1	THD1	±49	1k	1.0		-	-	0.4	%	
	THD2	±49	1k	50		-	0.02	-		
Frequency Characteristics #1	fL, fH	±49		1.0		+0 -3	20 to 50k		Hz	
Input Impedance	ri	±49	1k	1.0		-	55	-	kΩ	
Output Noise Voltage	VNO	±63				Rg=2.2kΩ	-	1	mVrms	
Neutral Voltage	VN	±63					-70	0	+70	mV
Thermal Detection Temperature	Td						-	145	-	°C
V12 for Class AB Operation	V12H						3.5	-	-	V
V12 for High Efficiency Operation	V12L						0	-	0.8	V

[Note] • Item #1 are measured at 1 channel operation.

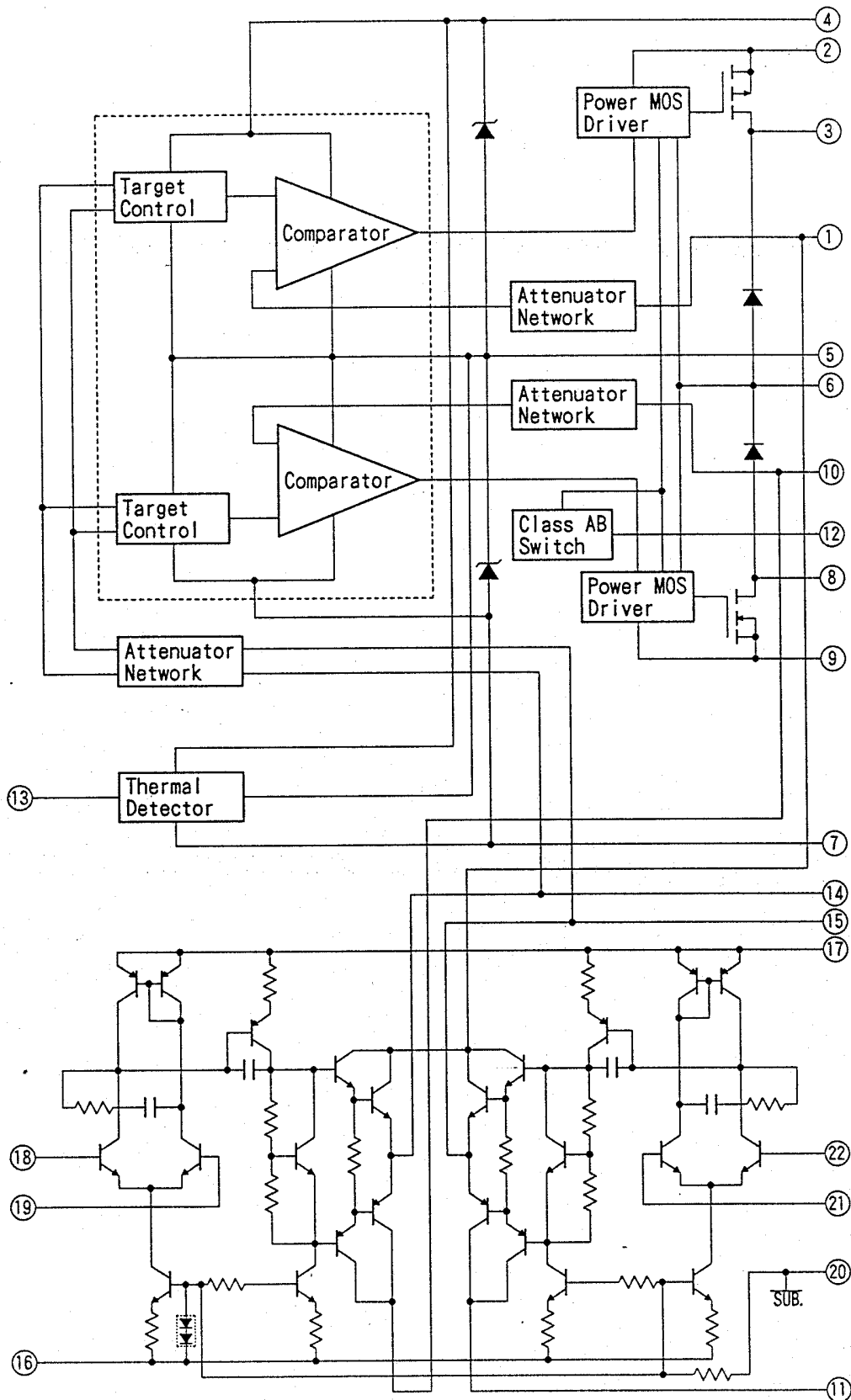
- All tests are measured using a constant-voltage supply unless otherwise specified.
- Available time for load short-circuit and output noise voltage are measured using the transformer supply specified right.
- Operating characteristics are measured using the choke coil specified below.
- The output 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.

Specified choke coil : Toho Zinc HK10S130-0800
Hitachi HK09100B

Specified Transformer Power Supply
(Equivalent to MG-250)

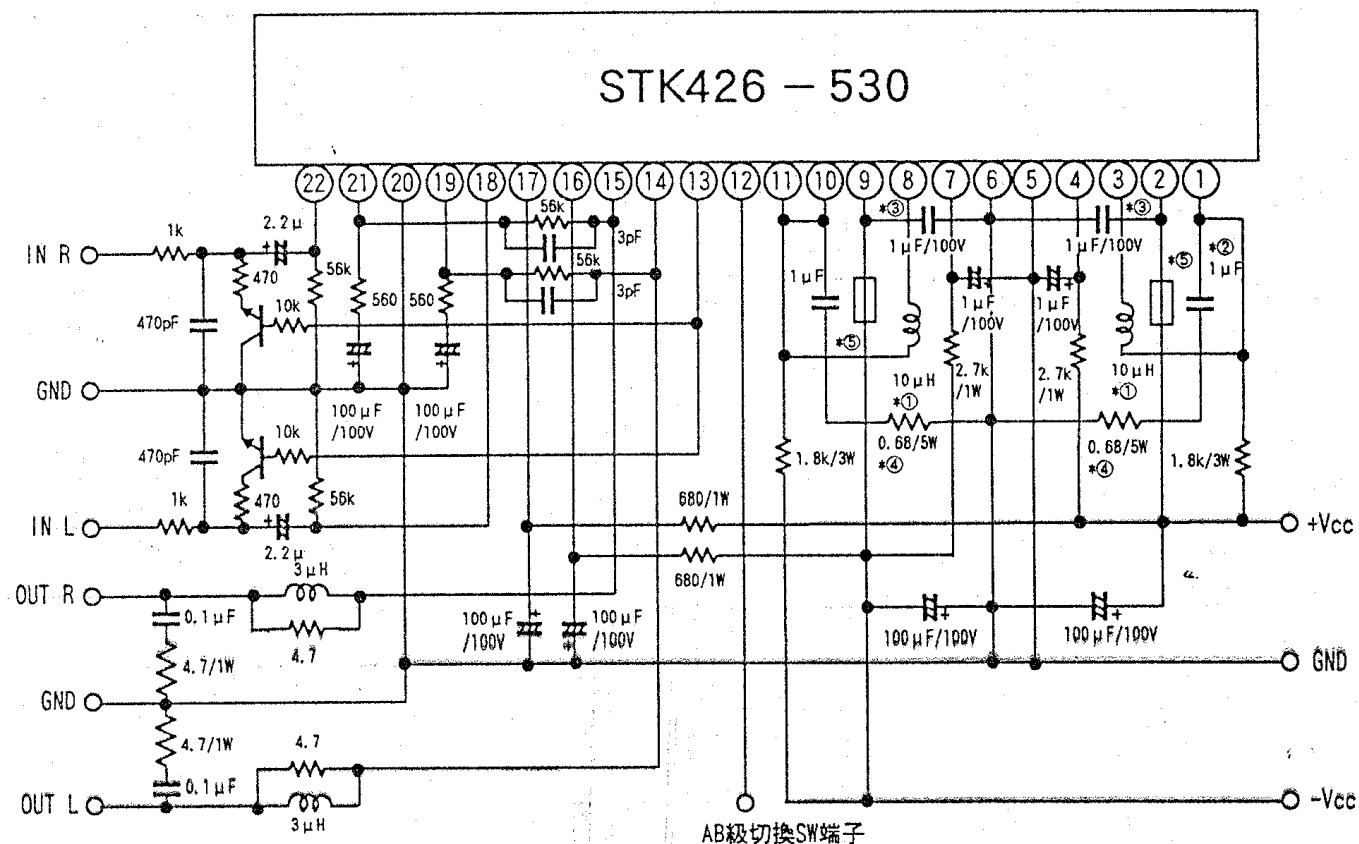


TENTATIVE



■ 配線図例

(STK426 - 530 (100W品))



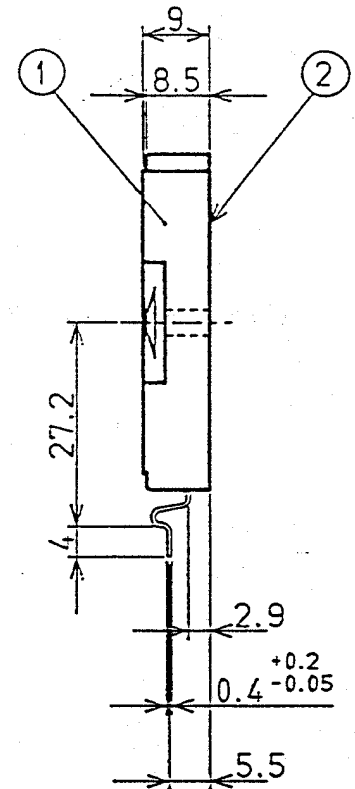
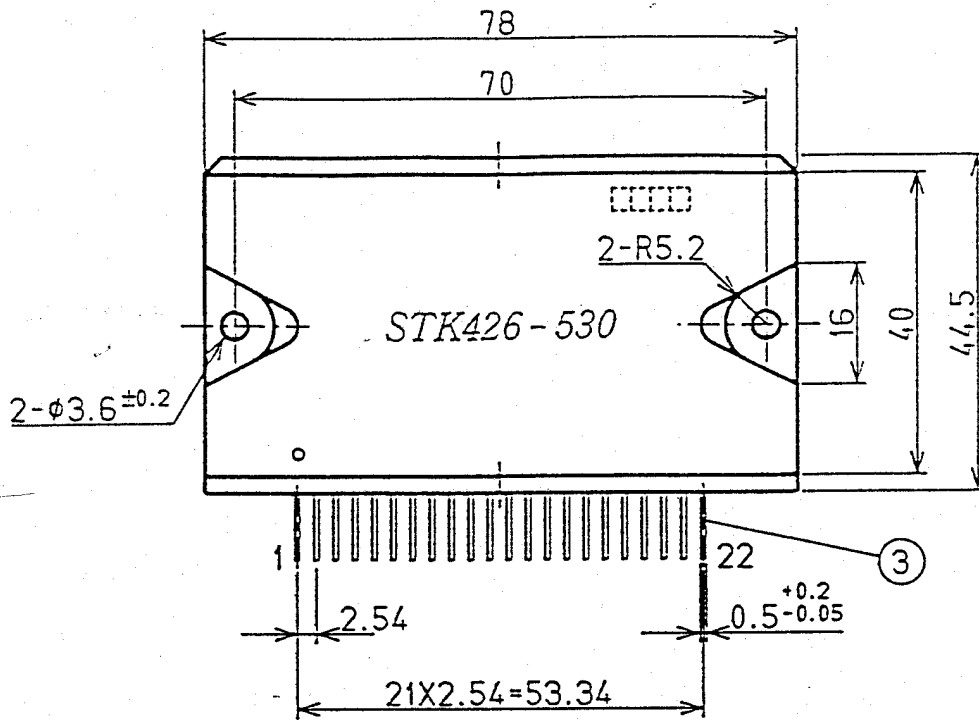
1k

- *①は、指定チョークコイル担当。
- *②は、松下製マイラコンデンサ ECQE1105KF 担当。
- *③は、高周波平滑対応コンデンサ。
- *④は、酸化金属皮膜抵抗 (赤羽電具製作所 RSMF5B0、68 Ω J 担当)。
- *⑤は、フェライトビーズ ((株) 村田製作所 : BL02RN2 担当)。
- ・指定無き抵抗器は、すべて 1/4W。

Case Outline (STK426-530)

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Unit : mm



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