

LC 7 4 5 0 H	227	DIP	16	3006A	4067	Color TV Converter PLL	4.5to11.5	-	Color TV Converter, VTR RF modulator
LC 7 4 5 0 N	227	DIP	16	3006A	4067	Color TV Converter PLL	4.5to8.5	-	Color TV Converter, VTR RF modulator
LC 7 4 5 0 M	227	MFP	24	3045	4067	Color TV Converter PLL	4.5to6.5	-	Color TV Converter, VTR RF modulator
LC 7 4 6 0	227	DIP	16	3006A	4069	Infrared Remote Control Transmission (8 Functions)	3	-	Low-cost color TV/VTR set use

TELEVISION (COLOR, B/W) AND VTR APPLICATIONS (thick film hybrid integrated circuit)

Type Number	Page	Case			Circuit Drawing No.	Circuit Functions & Applications	Power Supply					Sound			Vertical Deflection		
		Package	Pins	Package No.			V _{imax} [V]	I _{omax} [A]	θ _{j-c} [°C/W]	V _o [V]	V _{CCmax} [V]	I _{omax} [A]	θ _{j-c} [°C/W]	P _{omax} [W]	V _{CCmax} [V]	I _{omax} [A]	θ _{j-c} [°C/W]
STK 5 6 1 F	256	SEP	10	4055	6009	TV Voltage Regulator & Audio Output Amp	200	1	1.8	115	160	1	15	2	-	-	-
STK 5 6 3 A	256	SEP	10	4055	6009	TV Voltage Regulator & Audio Output Amp	200	1	1.8	130	160	1	15	1.6	-	-	-
STK 5 6 3 F	256	SEP	10	4055	6009	TV Voltage Regulator & Audio Output Amp	200	1	1.8	135	160	1	15	1.8	-	-	-
STK 5 8 3 F	256	SEP	10	4058	6009	TV Voltage Regulator & Audio Output Amp	200	1	1.8	135	160	1	12.5	4.0	-	-	-
STK 5 7 1 C	256	SEP	10	4055	6010	TV Voltage Regulator & High-Voltage vertical Deflection Output	200	1	1.8	112	-	-	-	-	160	1	15
STK 5 7 1 F	256	SEP	10	4055	6010	TV Voltage Regulator & High-Voltage vertical Deflection Output	200	1	1.8	115	-	-	-	-	160	1	15

FM/AM HF AMP'S (monolithic integrated circuit)

Type Number	Page	Case			Circuit Drawing No.	Circuit Functions & Applications	Recommended V _{cc} [V]	I _{cc} Pd* [mA]	Main Specifications
		Package	Pins	Package No.					
LA 1 1 3 0	109	SEP	16	3020A	2001	AM Tuner System for Car Radio	7.5to14	18	μ tuning and varactor tuning available, double balance MIX
LA 1 1 3 2	109	SEP	16	3020A	2002	AM Tuner System for Car Radio	7.5to14	18	μ tuning and varactor diode tuning, double balance MIX
LA 1 1 3 5	110	DIP	20S	3021B	2003	AM Electronic Tuner System for Car Radio, Home Stereo	8	22	Auto search stop signal, local buffer output, double balance mixer, wide-band AGC
LA 1 1 4 0	110	SEP	16	3020A	2004	FM IF System (Quad. Det.) for Car Radio	7.5to16	25	Desired muting selectable, signal meter drivable
LA 1 1 4 3	111	DIP	16	3006A	2005	FM IF System (Quad. Det.) for Car Radio	7.5to16	25	Desired muting selectable, signal meter drivable
LA 1 1 5 0	110	SEP	7	3015A	2006	FM IF AMP. (Peak Det.) for Car Radio	12	12	High output voltage 4.4V, low distortion factor 0.2%
LA 1 1 5 0 N	110	SEP	8	3060	2006	FM IF AMP. (Peak Det.) for Car Radio	12	12	High output voltage 4.4V, low distortion factor 0.2%

Continued on next page.

STK430 SERIES	thick film hybrid IC	CIRCUIT DRAWING No.6006-6008
2-CHANNEL 5 TO 25WMIN AF POWER AMP.		 4009 4010 4031

Features

- © IMST, 2 Channels by 1 Power Supply.
- Small pop noise because of direct coupling emitter feedbacked.
- STK 433-105, 435-105, 436-105 and 441-105 are for the use of $T_C=105^{\circ}\text{C}$.
- AF output power STK430III: 5Wmin., STK 433: 5Wmin., STK435: 7Wmin., STK436: 10Wmin., STK437: 10Wmin., STK439: 15W min., STK441: 200Wmin., STK443: 25Wmin.
- Package Number: 4009 (STK433, 435, 436) 4010 (STK437, 439, 441, 443) 4031 (STK430III)

STK561F,563A,563F,583F	thick film hybrid IC	CIRCUIT DRAWING No.6009
TV VOLTAGE REGULATOR & AUDIO OUTPUT AMP.		 4055(STK561F,563A,F) 4058(STK583F)

Use

- NTSC system color TV sets

Functions

- Line operate series regulator
- Line operate audio output amp.

Features

- Series regulator and audio output amp. are incorporated in a single package.
- Capable of being mounted easily due to single-end package
- Excellent heat radiation and thermal stability due to IMST substrate (Al substrate)
- IC substrate can be mounted direct to radiator fin.
- Regulator output voltage and audio output middle point voltage are set with high accuracy by mechanical functional trimming.
- DC output voltage (STK561F: 115V, STK563A: 130V, STK563F: 135V, STK583F: 135V) is available by functional trimming.
- Low power dissipation, low distortion, high gain due to pure complementary SEPP configuration of audio section.

STK571C,571F	thick film hybrid IC	CIRCUIT DRAWING No.6010
TV VOLTAGE REGULATOR & HIGH-VOLTAGE VERTICAL DEFLECTION OUTPUT		 4055

Use

- NTSC system color TV sets

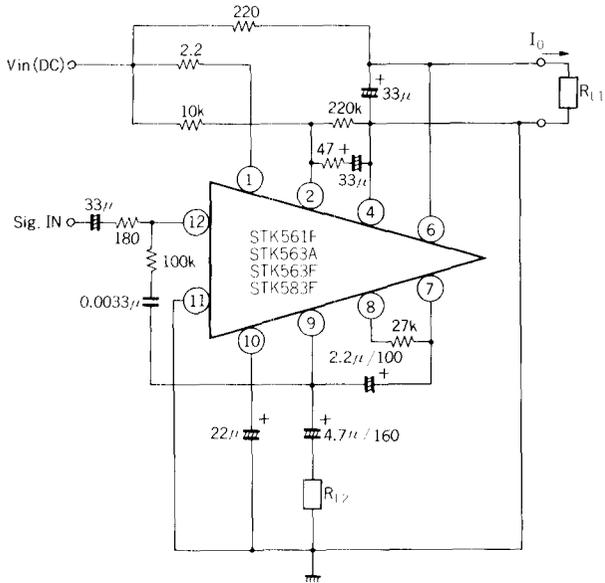
Functions

- Line operate series regulator
- Vertical deflection output amp.

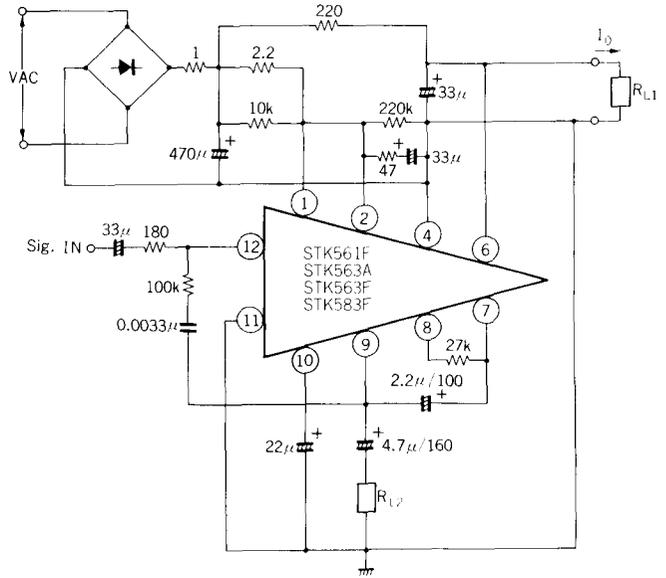
Features

- Excellent heat radiation and thermal stability due to IMST substrate (Al substrate)
- Electrically insulated IMST substrate can be mounted direct to radiator fin easily.
- Regulator output voltage is set with high accuracy by mechanical functional trimming.
- DC output voltage (STK571C: 112V, STK571F: 115V) is available by functional trimming.
- Capable of being mounted easily due to single-end package
- Capable of being used in conjunction with deflection signal processor IC
- High breakdown voltage
- Wide operating voltage range from line operate to Low + B

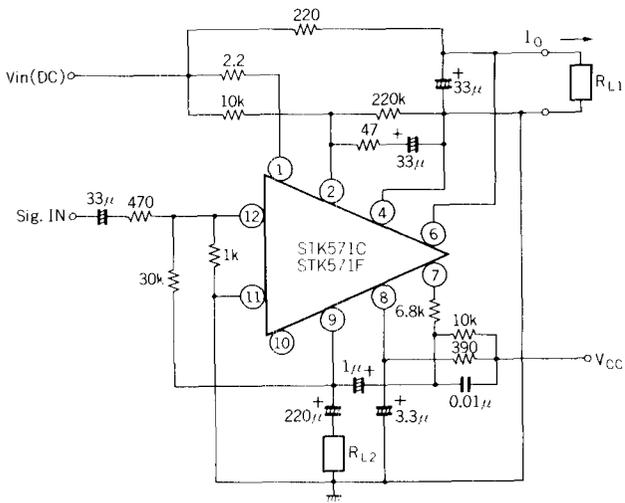
6009: STK561F, 563A, 563F, 583F
APPLICATION CIRCUIT 1



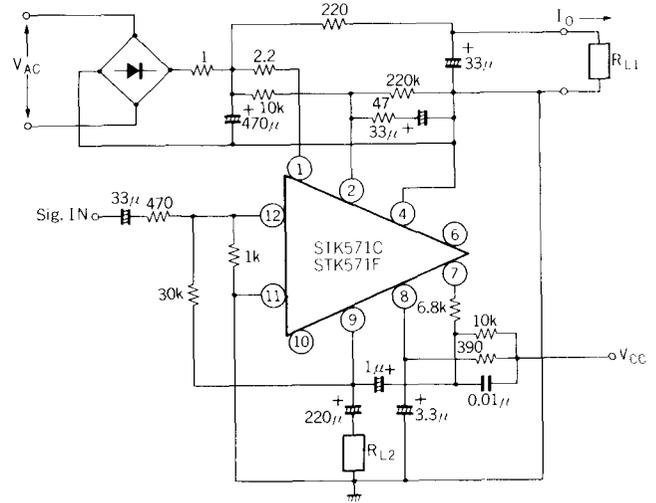
APPLICATION CIRCUIT 2



6010: STK571C, 571F
APPLICATION CIRCUIT 1



APPLICATION CIRCUIT 2



APPLICATION CIRCUIT 3

