



STK7348

Thick Film Hybrid IC

TENTATIVE

Case Outline : 9 pins (See attached drawing.)

Function : Offline Switching Regulator

Use : Color TV power supply

Features : Self oscillation type

Absolute Maximum Ratings at $T_a=25^{\circ}\text{C}$

			unit
AC Input Voltage	V_{AC}	0 to 280	Vrms
Maximum Output Power	W_{omax}	80	W
Operating Temperature	T_{opg}	-10 to +65	$^{\circ}\text{C}$
Storage Temperature	T_{stg}	-30 to +105	$^{\circ}\text{C}$
Operating Case Temperature	T_{Cmax}	105	$^{\circ}\text{C}$
Thermal Resistance	θ_{j-c}	1.6	$^{\circ}\text{C/W}$
Junction Temperature	T_{jmax}	150	$^{\circ}\text{C}$

Electrical Characteristics at $T_a=25^{\circ}\text{C}$, See specified test circuit.

		min	typ	max	unit
Output Voltage Setting	$V_{AC}=200\text{V}, I_o=0.3\text{A}$	114	115	116	V
Line Regulation	$V_{AC}=170 \text{ to } 280\text{V}, I_o=0.5\text{A}$		0.4	1.0	V
Load Regulation	$V_{AC}=200\text{V}, I_o=0.3 \text{ to } 0.7\text{A}$		1.5	2.0	V
Input Voltage	$V_{AC}=200\text{V}, I_o=0.7\text{A}$		102	105	W
Output Ripple Voltage	$V_{AC}=200\text{V}, I_o=0.7\text{A}$		0.4	0.6	Vpp
Temperature Coefficient	$V_{AC}=200\text{V}, I_o=0.7\text{A}$		7		mV/ $^{\circ}\text{C}$
Light Load Characteristic	$V_{AC}=200\text{V}, R_L=4.7\text{kohm}$	125	135		V

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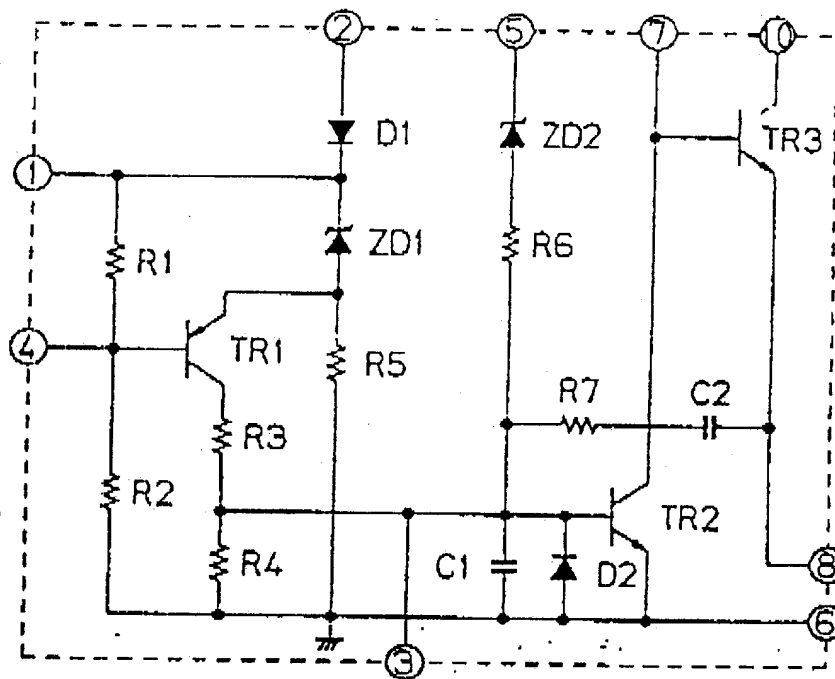
These specifications are subject to change without notice.

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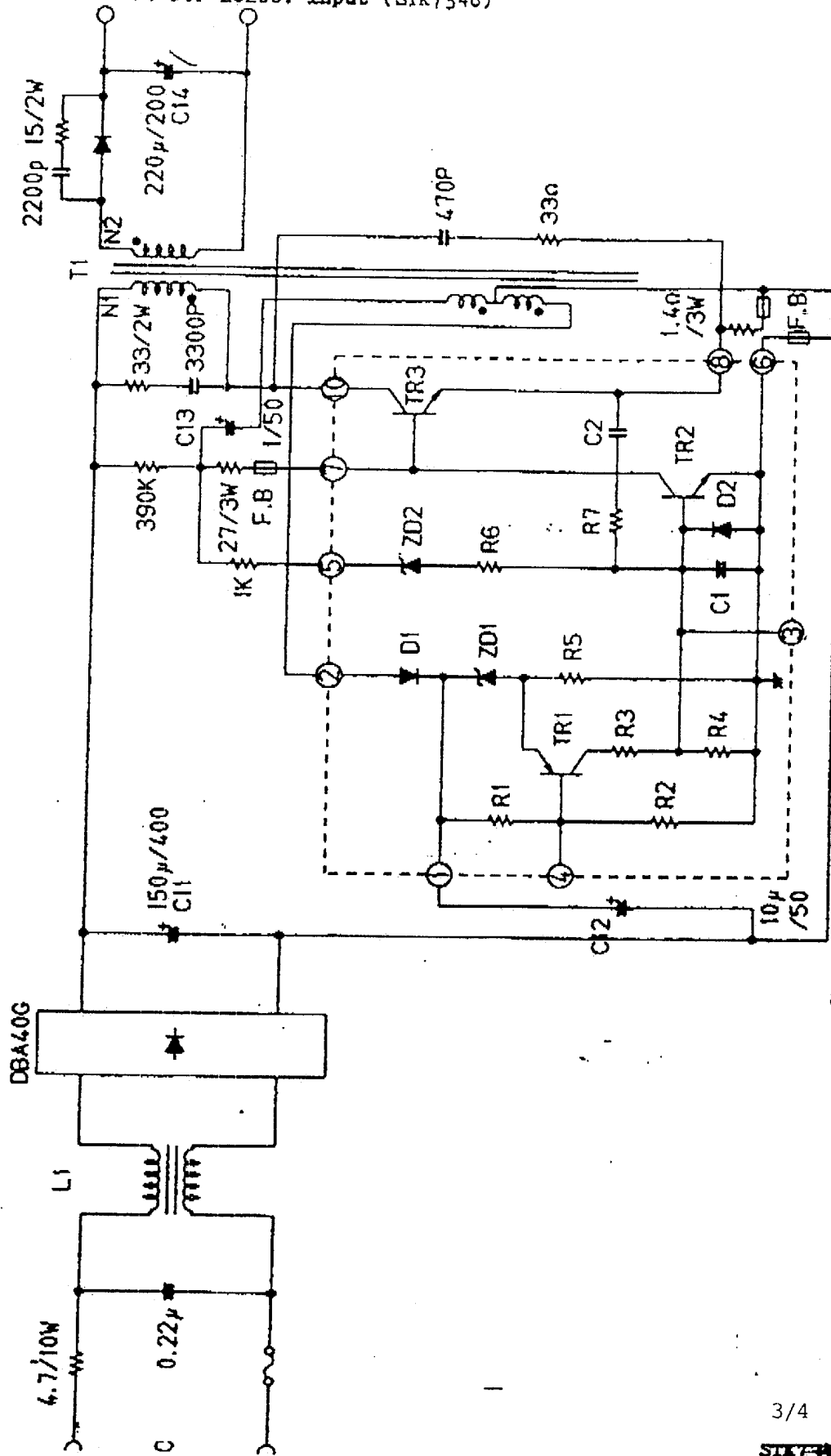
SANYO ELECTRIC CO., LTD. SEMICONDUCTOR DIVISION
 1-1-1 CHOMEI, SOTOKANDA, CHUO-KU, TOKYO 100, JAPAN

Internal Equivalent Circuit (STK7348)

SANYO SEMICONDUCTOR CORP 53E D ■ 7997076 0010198 232 ■ TSAJ T-42.8/



Application Circuit for AC200V Input (STK7348)



Case Outline unit:mm

