

SANYO**STK73410II**

Thick Film Hybrid IC

Voltage Regulator for TV/VTR Use

TENTATIVE

Case Outline : 9 pins (See attached case outline drawing.)

Function : Off-line switching regulator

Use : Voltage regulator for color TV / VTR use

Feature : Self-oscillation type

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

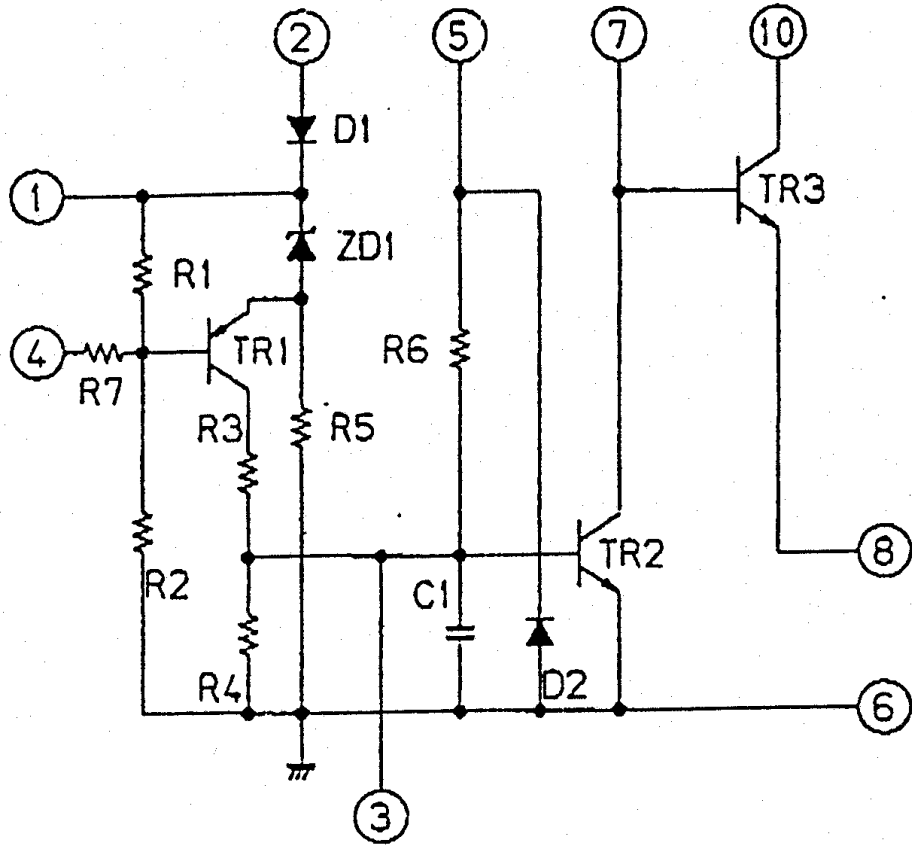
			unit
AC Input Voltage	V_{AC}	0 to 280	Vrms
Maximum Output Power	W_o max	100	W
Operating Temperature	T_{opg}	-10 to +65	$^\circ\text{C}$
Storage Temperature	T_{stg}	-30 to +105	$^\circ\text{C}$
Operating Case Temperature	T_c max	105	$^\circ\text{C}$
Thermal Resistance	θ_{j-c}	1.3	$^\circ\text{C}/\text{W}$
Junction Temperature	T_j max	150	$^\circ\text{C}$

Electrical Characteristics at $T_a = 25^\circ\text{C}$, Values shown below are measured using specified Test Circuit.

		min	typ	max	unit
Output Voltage Setting	$V_{AC} = 200\text{V}, I_O = 0.5\text{A}$	114	115	116	V
Line Regulation	$V_{AC} = 170$ to $280\text{V}, I_O = 0.5\text{A}$		0.4	1.0	V
Load Regulation	$V_{AC} = 200\text{V}, I_O = 0.4$ to 0.87A		1.5	2.0	V
Input Power	$V_{AC} = 200\text{V}, I_O = 0.87\text{A}$		102	105	W
Output Ripple Voltage	$V_{AC} = 200\text{V}, I_O = 0.87\text{A}$		0.4	0.6	V _{pp}
Temperature Coefficient	$V_{AC} = 200\text{V}, I_O = 0.87\text{A}$		7		mV/ $^\circ\text{C}$
Reduced Voltage Characteristic	$V_{AC} = 170\text{V}, I_O = 0.87\text{A}$	111.0	112.5		V
Light Load Characteristic	$V_{AC} = 200\text{V}, R_L = 4.7\text{k}\Omega$		125	135	V

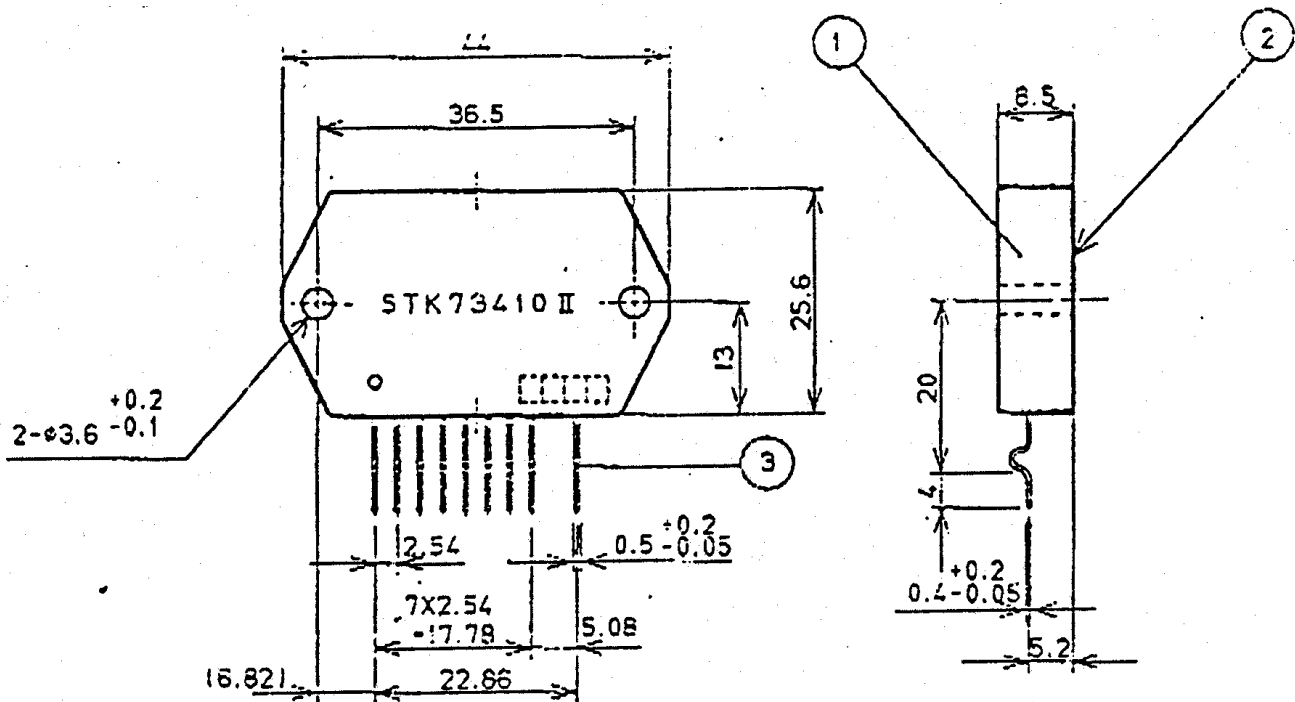
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Internal Equivalent Circuit (STK73410II)



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Case Outline (unit: mm)



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