

Case Outline : 27 pins (See attached case outline drawing.)

Functions : Deflection signal processing, vertical deflection power amp, horizontal deflection power amp

Use : CRT display use

Absolute Maximum Ratings

				unit
(Vertical Output Section)				
Maximum Supply Voltage	V _{CC} 6	Pin 6	30	V
Maximum Deflection Current	I _{p-o}	Pin 3	±1.3	A
Maximum Output Current	I _O	Pin 2	±0.5	A
Thermal Resistance	θ _{j-c1}	IC 2	13	°C/W
	θ _{j-c2}	Tr3, Tr4	20	°C/W
(Deflection Signal Processing Section)				
Maximum Supply Voltage	V _{CC} 14,23	Pins 14,23	14	V
	V _{CC} 11	Pin 11	-14	V
Maximum Supply Voltage (Tr 1)	V _{CC} 28	Pin 28	300	V
Maximum Supply Current (Tr 1)	I _{CC} 28	Pin 28	200	mA
Junction Temperature	T _j	Tr 1,3,4, IC 2	150	°C
Operating Case Temperature	T _c		105	°C
Storage Temperature	T _{stg}		-30 to +125	°C

Operating Characteristics

Deflection Signal Processing Section		Test					
(V _{CC} 14 = V _{CC} 23 = 12V, V _{CC} 11 = -12V, T _c = 25°C)		No.	Circuit	min	typ	max	unit
Pin 11 Current Dissipation	I _{CC} 11	1	1	1.0		7.0	mA
Pin 14 Current Dissipation	I _{CC} 14	2	1	12		30	mA
Pin 23 Current Dissipation	V _{CC} 23	3	1	12		30	mA
Vertical Frequency Pull-in Range	f _{VP}	4	1	30			Hz
Vertical Free-running Frequency	f _{VOSC}	5	1	50		60	Hz
Increased/Reduced Voltage Characteristic of Vertical Frequency	Δf _{VV}	6	1	-0.1		0.1	Hz
Vertical OSC Start Voltage	V _{VOSC}	7	1			4.0	V
Temperature Characteristic of Vertical Frequency	f _{VT}	8	1	-0.028		0.028	Hz/°C
Vertical Amplitude	V ₉	9	4	5.9	6.1	6.3	V
Control Pin Voltage	I ₈	10	4	55	60	65	μA
Ramp Waveform Generating Current	f _{HP}	11	1	-750		750	Hz
Horizontal Frequency Pull-in Range	f _{HOSC}	12	1	-750		750	Hz
Horizontal Free-running Frequency	Δf _{HV}	13	1	-50		50	Hz
Reduced Voltage Characteristic of Horizontal Frequency	V _{HOSC}	14	1			4	V
Horizontal OSC Start Voltage	f _{HT}	15	1	-2.9		2.9	Hz/°C
Temperature Characteristic of Horizontal Frequency	V _{HDop}	16	2	0.5		0.8	V
Hold-down Operation Start Voltage	V _{28sat}	17	3			2	V
Collector-Emitter Saturation Voltage of Horizontal Drive Tr	Pins 28 to 22, V ₂₃ = V ₁₂ , Pins 23 to 28, 200Ω						

Continued on next page.

Specifications and information herein are subject to change without notice.

