

HA11235

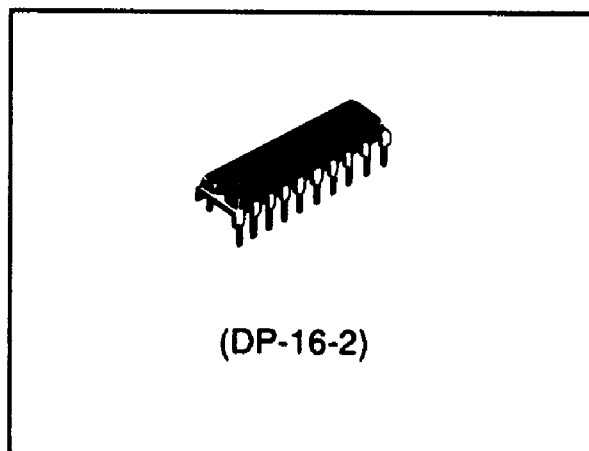
Synchronous Signal Processing System

Functions

- Sync separator
- Horizontal automatic frequency control (AFC)
- Horizontal oscillator
- X-ray protector
- Vertical oscillator
- Vertical driver

Features

- Fewer external components
- 10 V_{p-p} sync separator output
- Voltage regulator for horizontal supply voltage
- 7.5 Hz/rad horizontal AFC DC loop gain
- Output stage positive feedback eliminated by vertical oscillator's astable multivibrator
- Vertical oscillator waveform used for vertical output drive; only one high-stability (tantalum) capacitor required for vertical stage
- Vertical output stage stabilized by DC feedback to pin 3
- Vertical linearity adjustment can be eliminated



Ordering Information

Type No.	Package
HA11235	DP-16-2

Pin Description

Pin No.	Function	Max. Input/Output Voltage/Current
1	Connected to capacitor to prevent parasitic oscillation	Less than V _{CC}
2	Vertical output pin	15 mA
3	Feedback input pin for vertical DC/AC output voltage	Less than V _{CC}
4	Connected to resistor to determine vertical oscillation discharge time constant	5 mA
5	Connected to capacitor for vertical oscillation frequency	Less than V _{CC}
6	Vertical oscillator power supply pin	16 V
7	Vertical sync input pin	Less than V _{CC}
8	Determines vertical oscillation frequency	5 mA
9	X-ray protector input pin	5 mA
10	Horizontal section output pin	15 mA
11	Horizontal oscillator power supply pin	25 mA
12	Connected to horizontal oscillator CR	12 V



Pin Description (cont)

Pin No.	Function	Max. Input/Output Voltage/Current
13	Phase detector FBP (flyback pulse) input pin	5 V _{p-p}
14	Phase detector output pin	2 mA
15	Sync separator video signal input pin	3 mA
16	Sync separator output pin	15 mA
17	Sync separator feedback pin	12 V
18	GND pin	—

Block Diagram

