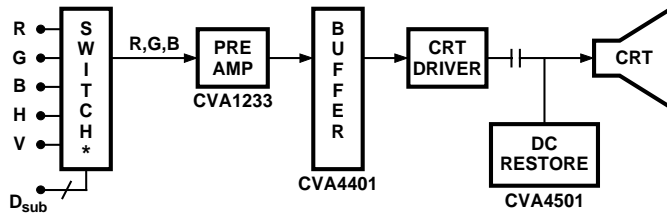


# CRT Driver Amplifiers

## The Calogic Video Family



## DC Restore

| P/N     | V <sub>cc</sub> | Dynamic Range |
|---------|-----------------|---------------|
| CVA4501 | 150V            | 45V           |
| CVA4502 | 200V            | 55V           |

## Video Buffer & Level Shifter

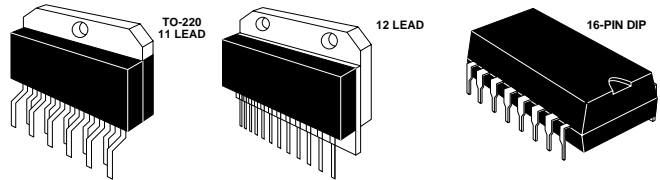
| P/N     | Slew Rate  | Bandwidth | Output Voltage Level Shift | Supply Current | Supply Voltage |
|---------|------------|-----------|----------------------------|----------------|----------------|
| CVA4402 | 8,000V/μs  | 400MHz    | V <sub>IN</sub> -3V        | 5mA            | ±3V to ±15V    |
| CVA4403 | 11,000V/μs | 400MHz    | V <sub>IN</sub> -3V        | 5mA            | -8V to +12V    |

## Video Buffer

| P/N     | Slew Rate  | Bandwidth | Output Current | Supply Current | Supply Voltage |
|---------|------------|-----------|----------------|----------------|----------------|
| CVA4401 | 11,000V/μs | 400MHz    | 150mA          | 5mA            | ±3V to ±18V    |

## CRT Pre-Amplifiers

| P/N     | Bandwidth (MHz) | Supply Voltage (V) | Speed (ns) Rise | Speed (ns) Fall |
|---------|-----------------|--------------------|-----------------|-----------------|
| CVA1233 | 100             | 12                 | 3.0             | 4.0             |



## CRT Drivers

| P/N       | Topology    | V <sub>cc</sub> /V <sub>p-p</sub> | Options   | Channels | Horizontal F = kHz | Resolution | CRT Size Inches | Leads/Pkg. |
|-----------|-------------|-----------------------------------|-----------|----------|--------------------|------------|-----------------|------------|
| CVA2400T  | Cascode     | 80/50                             | G, EP     | 3        | 69                 | 1280X1024  | 15, 17          | 11/TO-220  |
| CVA2401T  | Cascode     | 80/50                             | G, EP     | 3        | 85                 | 1600X1280  | 17, 19          | 11/TO-220  |
| CVA2403T  | Cascode     | 80/50                             | G, EP     | 3        | 95                 | 1600X1280  | 19, 21          | 11/TO-220  |
| CVA2404T  | Cascode     | 80/50                             |           | 3        | 64                 | 1280X1024  | 14, 15          | 11/TO-220  |
| CVA2405T  | Cascode     | 80/50                             |           | 3        | 69                 | 1280X1024  | 15, 17          | 11/TO-220  |
| CVA2407T  | Cascode     | 80/50                             |           | 3        | 82                 | 1280X1024  | 17, 19          | 11/TO-220  |
| CVA2411TX | Cascode     | 80/50                             | G, EP, SH | 3        | 69                 | 1280X1024  | 15, 17          | 11/TO-220  |
| CVA2412AX | Cascode     | 80/50                             | G, EP, SH | 3        | 88                 | 1600X1280  | 17, 19          | 11/TO-220  |
| CVA2415TZ | Cascode     | 80/50                             |           | 3        | 56                 | 1280X1024  | 14, 15          | 11/TO-220  |
| CVA2417TX | Cascode     | 80/50                             |           | 3        | 64                 | 1280X1024  | 15, 17          | 11/TO-220  |
| CVA2419TX | Cascode     | 80/50                             |           | 3        | 64                 | 1280X1024  | 15, 17          | 11/TO-220  |
| CVA2422TL | Cascode     | 80/50                             | G, EP     | 3        | 64                 | 1280X1024  | 15, 17          | 11/TO-220  |
| CVA2455T  | Active Load | 80/50                             |           | 3        | 95                 | 1600X1280  | 17, 19          | 11/TO-220  |
| CVA2456T  | Active Load | 80/50                             |           | 3        | 110                | 1600X1280  | 19, 21          | 11/TO-220  |
| CVA3404T  | Cascode     | 80/50                             | EP        | 3        | 64                 | 1280X1024  | 14, 15          | 11/TO-220  |
| CVA3405T  | Cascode     | 80/50                             | EP        | 3        | 72                 | 1280X1024  | 15, 17          | 11/TO-220  |
| CVA3407T  | Cascode     | 80/50                             | EP        | 3        | 85                 | 1280X1024  | 17, 19          | 11/TO-220  |
| CVA3415T  | Active Load | 80/50                             | EP        | 1        | 120                | 1600X1280  | 19, 21          | 11/TO-220  |
| CVA3424T  | Active Load | 80/50                             |           | 1        | 110                | 1600X1280  | 19, 21          | 11/TO-220  |
| CVA6627S  | Active Load | 80/50                             |           | 3        | 95                 | 1600X1280  | 17, 19          | 12/SIP     |
| CVA6629S  | Active Load | 80/50                             |           | 3        | 105                | 1600X1280  | 19, 21          | 12/SIP     |
| CVA24150T | Cascode     | 150/120                           | EP        | 1        |                    | HDTV       | TV-Monitor      | 11/TO-220  |

EP = Emitter Peaking  
 G = Gain Control  
 SH = Small Heat Sink