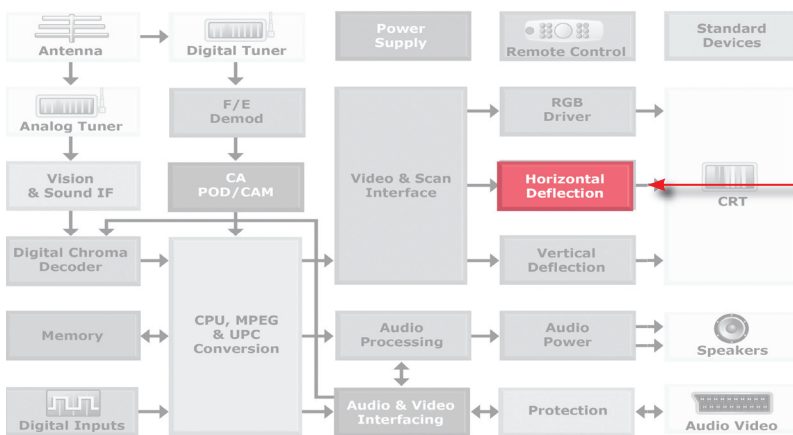


Solutions

High Voltage/High Current Horizontal Deflection Transistors for Ultra-High Definition CRT Displays.
Application tailored for HDTV, super-slim tube, digital TV and high-end monitors.

Innovative products for multi-segment application systems



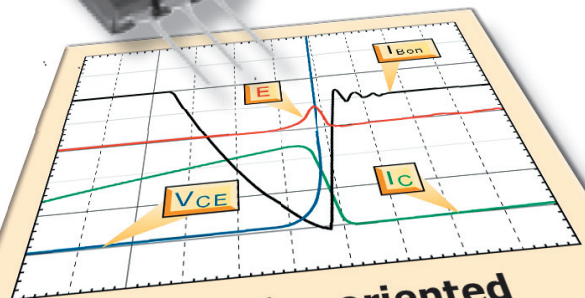
ST's enhanced high voltage structures have been developed specifically for use in high-definition CRT displays. Their improved silicon efficiency brings improved performance to horizontal deflection stages in HDTV, digital, super-slim tubes and high-end monitors. The HD1 series is yet another vital part in ST's global solutions for consumer applications.

Part No.	Max Ratings	Package
HD1520FX	1500V/24A	ISOWATT218FX
HD1750FX/JL	1700V/36A	ISOWATT218FX/TO-264
HD1530FX/JL	1500V/36A	ISOWATT218FX/TO-264
HD1760JL	1700V/50A	TO-264

Key Features

- Diffused collector in planar technology with enhanced high voltage structure
- Silicon efficiency improvement
- V_{CBO} up to 1700V and $I_{C(max)}$ up 50A
- Wider range of optimum drive conditions
- Less sensitive to operating temperature variation
- Lower base current requirement for cooler system
- ISOWATT218FX and "Jumbo" TO-264 packages for very high power dissipation capability

Specifically designed for use in advanced horizontal deflection circuits, the HD1xxxx family is one more example of ST's discrete solutions..



**Application oriented
switching waveforms**

For additional information and product datasheets visit
www.st.com/hd1

Solutions @ 