

M51393AP**PAL VIDEO CHROMA SYSTEM****DESCRIPTION**

The M51393AP is a semiconductor integrated circuit consisting of a PAL system color TV video chroma system, housed in a 30-pin molded DIL package.

Functions include video tone control, contrast control, and brightness control. The device includes a video output transistor, chroma signal processing and chroma demodulator circuits.

FEATURES

- Double differentiation is used for video tone control and high frequency component suppression control is continuous
- Pedestal clamp system with variable DC regeneration
- Linked contrast and color saturation control
- Peak limiting
- Built-in a video output transistor
- High sensitivity killer -43dB level (typ)

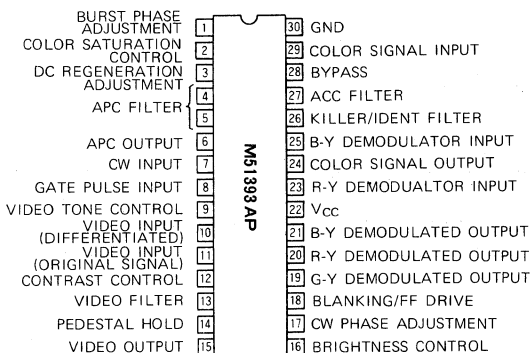
APPLICATION

PAL system color TV (video chroma circuits)

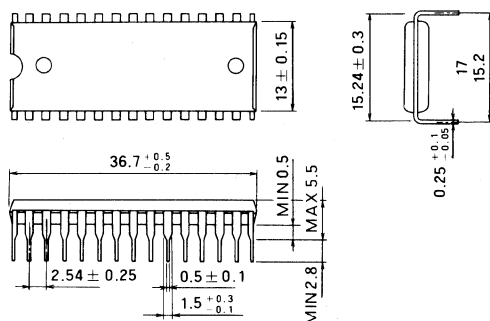
RECOMMENDED OPERATING CONDITIONS

Supply voltage range 11~13V

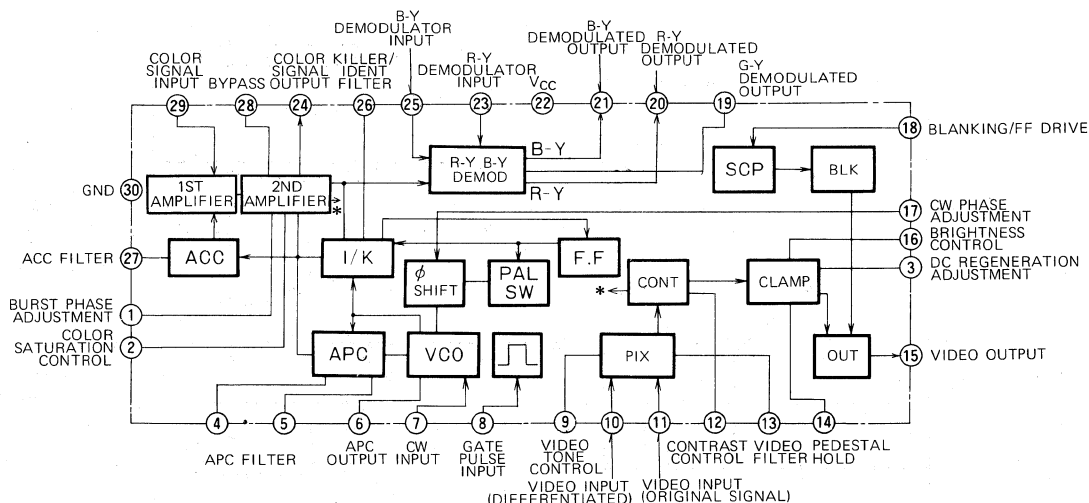
Rated supply voltage 12V

PIN CONFIGURATION (TOP VIEW)**PACKAGE OUTLINE**

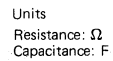
Dimensions in mm



30-pin plastic molded DIL package

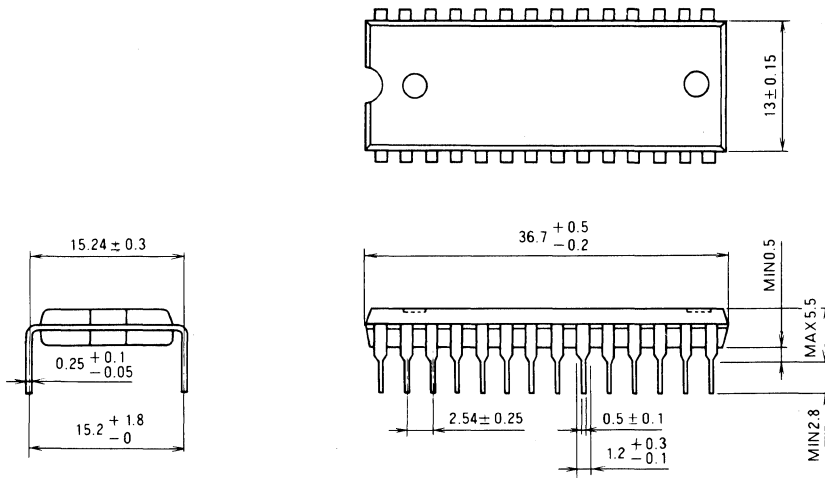
BLOCK DIAGRAM

APPLICATION EXAMPLE



TYPE 28P4 28-PIN MOLDED PLASTIC DIL

Dimension in mm



TYPE 30P4 30-PIN MOLDED PLASTIC DIL

Dimension in mm

