

NTE7120 Integrated Circuit 3 Channel Video Amp for High Resolution Color TV

Description:

The NTE7120 is a semiconductor integrated circuit in a 30–Lead DIP type package that has a built–in 3–channel amplifier with 50MHz band. Every channel is provided with a broad–band amplifier, main/sub contrast control, main/sub luminance (brightness) control, peaking, blanking, and peak limiter functions. Accordingly, this device is designed for use in high–resolution color display monitors.

Features:

- The employment of a new bi–polar wafer process makes it possible to reduce power dissipation, and 3 channels can be incorporated in this amplifier (V_{CC} = 12V, I_{CC} = 77mA)
- Input: 1V_{P-P} (Typical)
 Output: V_{P-P} (Maximum)
 Frequency Band: 50MHz
- Main and sub contrast and luminance controls are provided; the main control can change contrast
 and luminance at the same time for 3 channels, and the sub control can change them independently
 for each channel.
- The DC feedback circuit built in the IC can produce a stable DC level at the IC output pins.

Applications:

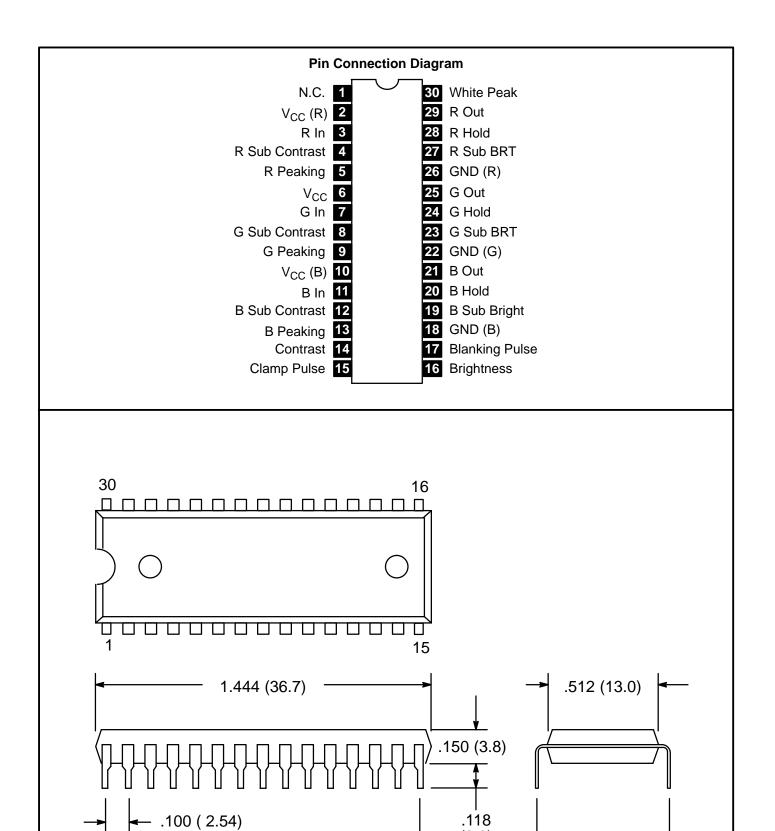
CRT Display

Absolute Maximum Ratings:

Supply Voltage, V _{CC}
Power Dissipation, P _D 1670mW
Operating Temperature Range, T _{opr} –20° to +65°C
Storage Temperature Range, T _{stg} –40° to +125°C

Recommended Operating Conditions:

Parameter	Symbol	Test Conditions	Min	Тур	Max	Unit
Supply Voltage Range	V _{CC}		11.0	_	12.5	V
Rated Supply Voltage	V _{CC}		0	12	_	V



- 1.400 (35.5)

(3.0)

Min

.600 (15.24)