

**MOTOROLA**

TV Modulator Circuit

The MC1374 includes an FM audio modulator, sound carrier oscillator, RF oscillator, and RF dual input modulator. It is designed to generate a TV signal from audio and video inputs. The MC1374's wide dynamic range and low distortion audio make it particularly well suited for applications such as video tape recorders, video disc players, TV games and subscription decoders.

- Single Supply, 5.0 V to 12 V
- Channel 3 or 4 Operation
- Variable Gain RF Modulator
- Wide Dynamic Range
- Low Intermodulation Distortion
- Positive or Negative Sync
- Low Audio Distortion
- Few External Components

MC1374

TV MODULATOR CIRCUIT

SEMICONDUCTOR TECHNICAL DATA



P SUFFIX
PLASTIC PACKAGE
CASE 648

ORDERING INFORMATION

Device	Operating Temperature Range	Package
MC1374P	$T_A = 0^\circ \text{ to } +70^\circ\text{C}$	Plastic DIP

Figure 1. Simplified Application