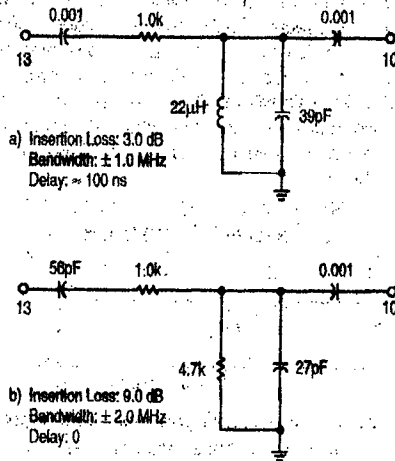


MC1377

Figure 14. Optional Chroma Coupling Circuits

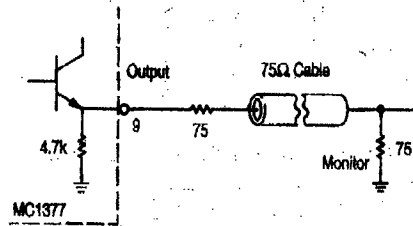


Power Supplies

The MC1377 is designed to operate from an unregulated 10 V to 14 Vdc power supply. Device current into Pin 14 with open output is typically 35 mA. To provide a stable reference for the ramp generator and the video output, a high quality 8.2 V regulator can supply up to 10 mA for external uses,

with an effective source impedance of less than 1.0Ω . This regulator is convenient for a tracking dc reference for dc coupling the output to an RF modulator. Typical turn-on drift for the regulator is approximately -30 mV over 1 to 2 minutes in otherwise stable ambient conditions.

Figure 15. Output Termination



SUMMARY

The preceding information was intended to detail the application and basis of circuit choices for the MC1377. A complete MC1377 application with the MC1374 VHF modulator is illustrated in Figure 17. The internal schematic diagram of the MC1377 is provided in Figure 8.

Figure 16. Application with VHF Modulator

