

LINE BLANKING GENERATOR GE2/532

Introduction

The GE2/532 accepts a feed of inverted mixed-sync pulses and a feed of mixed blanking pulses; it provides a positive-going line-frequency output signal which is used as a blanking waveform in an associated parent unit¹. The GE2/532 is constructed on a printed-wiring card which fits into a socket on the parent unit.

A power supply at -24 volts is required.

Circuit Description

The circuit diagram is given in Fig. 1. The inverted mixed-sync input signal is applied via amplifier stage TR1 to emitter-follower TR2. The output from TR2 is applied via diode D1

(which removes the negative-going portion of the waveform) and emitter-follower TR3 to the monostable multivibrator TR4, TR5. Negative-going line-frequency pulses are developed at the emitter of TR5 and these are fed to the base of TR6 where they are mixed with a feed of mixed-blanking pulses. The resultant pulses start coincident in time with the leading edge of line-blanking and finish 2 μ s after the trailing edge of line-blanking. Any positive-going transitions are removed from the waveform by the action of the shunt clipper D2.

References to Typical Associated Equipment

1. Waveform Suppression Unit UN1/556

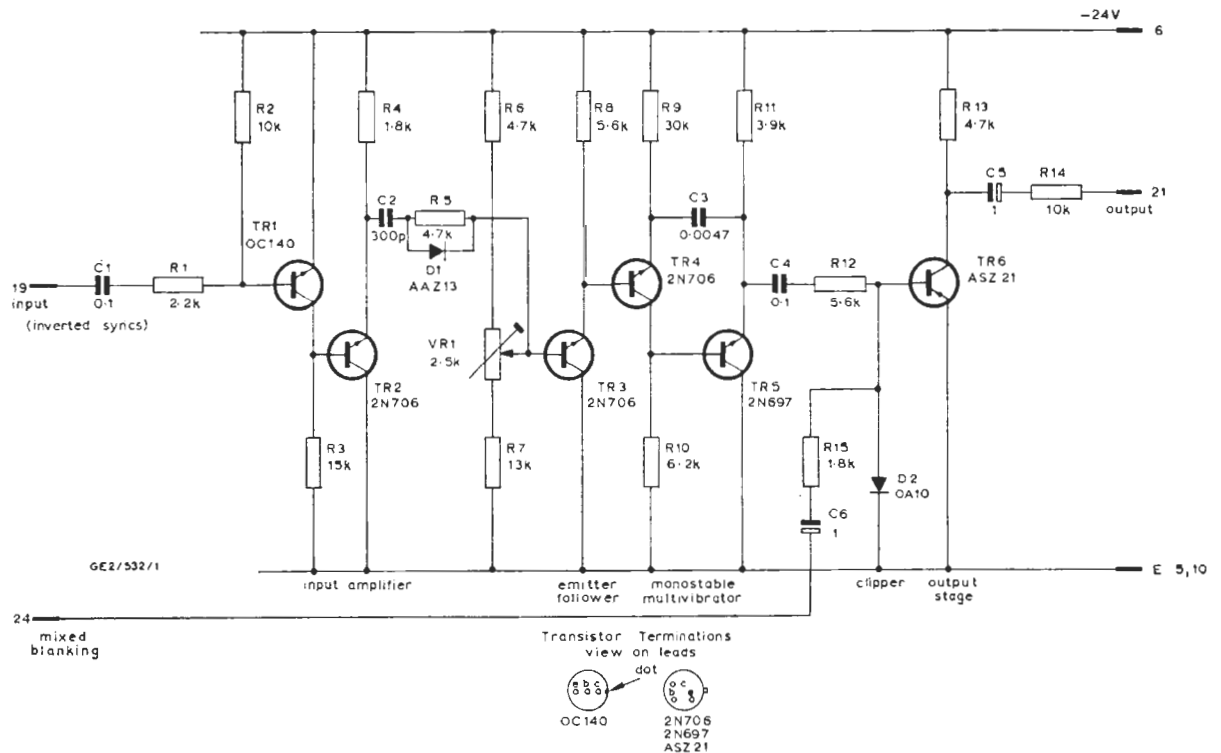


Fig. 1 Circuit of the Line-blanking Generator GE2/532