

TRIMMING EQUALISER EQUIPMENT EP8/502

**Introduction**

The EP8/502 accepts a composite video signal at standard level. It provides an equalised and phase corrected output also at standard level.

The equipment comprises:

- Bode Equaliser EQ5/513,
- Phase Equaliser EQ5/511
- Video Amplifier AM5/513 (replacing the AM5/507); 3 off

**General Specification**

*Equalisation Available*

- Amplitude correction  $\pm 1.1$  dB in 0.1 dB steps at ten half-loss frequencies in the band 0.5 kHz to 1 MHz (non-resonant)
- $\pm 2.2$  dB in 0.2 dB steps at half-loss frequency of 2 MHz (non-resonant)
- $\pm 2.2$  dB in 0.2 dB steps at half-loss frequencies of 3, 4 and 5 MHz (resonant at 6.5 MHz)

Phase correction

Eight steps covering resonant frequencies at megahertz intervals in the band 3 MHz to 10 MHz.

Variable attenuator range

$\pm 2.2$  dB in 0.2 dB steps.

*Input Amplitude*

1 volt p-p

*Input and Output impedances*

75 ohms

*Gain (variable attenuator in 0 dB position)*

0 dB  $\pm 0.6$  dB

*k-rating (2T-pulse) Correction Out or 0dB*

1.5%

*Connectors*

PO No. 1 plugs (musa)

*Size*

15 3/4 inches high in 19 inch bay

*Weight*

16 kg (35 lb)

**Maintenance**

The block diagram of the EP8/502 is given in Fig. 1.

The gain and k-rating (2T-pulse) of the equipment should be within the Specification given above.

Alignment details of constituent units are given in the relevant Instructions.

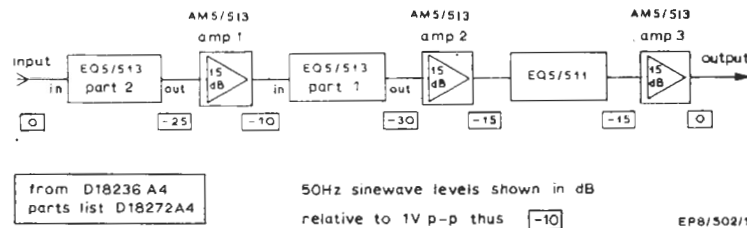


Fig. 1 Block Diagram of Trimming Equaliser Equipment EP8/502