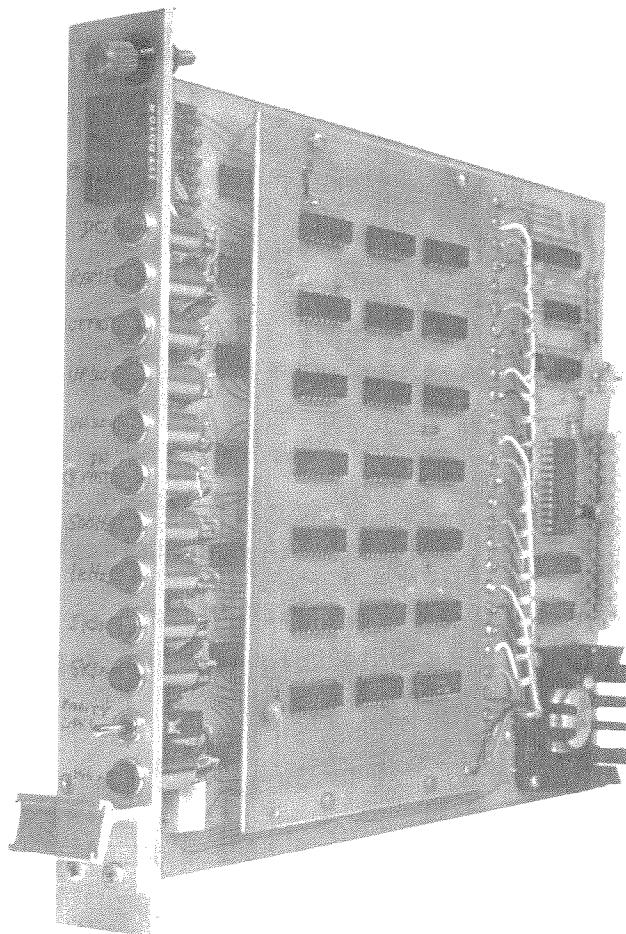




PCM Digital Generator GE7/1



This unit generates a bitstream which may be connected directly to the input of the BA1/5 PCM Decoder. This bitstream can be modulated to produce an identical waveform on each of the 13 channels simultaneously.

Several different waveforms may be selected by controls on the front panel and together these waveforms may be used to "line-up" the BA1/5 PCM Decoder, thus removing the need for a PCM Coder to generate test signals for decoder maintenance. An oscilloscope trigger pulse is provided at a suitable rate to display the selected waveform.

This unit is intended to be mounted in the spare position at the right hand end of the frame containing the digital to analogue converters in the BA1/5.

This information is for use within the BBC only and must not be disclosed in any way to a third party.

PERFORMANCE DATA

Input : 12.672MHz (from OS2/40 contained in BA1/5)
Bitstream Output : 0.4V p-p or 1V p-p into 75 Ω
Trigger Output : TTL

MECHANICAL DATA

Chassis : Imhof Bedco 5U CDX
Weight : 0.6kg
Indexing : 5, 11 and 17

INSTALLATION DATA

Power Requirement : +9V at 1.8A d.c. unregulated from BA1/5
Connectors : 33 Pole ISEP (Rear)
Single Pole Oxley (Front panel, trigger output)

Detailed installation data is provided on DDCF's 12294 (BA1/5) and 12295 (C09M/2).

For further information please refer to Designs Department Handbook No.6.135(76) or contact M.T. Ellen, Room 516, Western House (PABX LBH Extn. 4692).