



DAC-011A

PARALLEL DIGITAL TO RGB AND YPBPR MODULE

- Small compact design for pcb mounting
- bit component outputs
- Inputs with single pin control

- Auto & forced 625/525 operation
- Simultaneous RGB or YP_bP_r
- Full video bandwidth filtered outputs

This interface card accepts CCIR656 parallel data and provides simultaneous component RGB and YP_bP_r analogue outputs, together with separate mixed sync's. The card accepts two inputs which can be selected via a single pin control. With other features such as the addition of mixed sync's to analogue outputs and automatic or forced 625/525 operation it is anticipated that this versatile module will provide more solutions than just interfacing to most broadcast monitors..

<u>Input Requirements</u> Input 2 x digital inputs at TTL or CMOS levels.

(CCIR656/SMPTE RP-125 coded)

Line standard 625/525 (Auto detection or forced operation)

Set up time 12nS min (data to clk rising edge)
Hold time 2nS min (clk rising edge to data)

Component Output Characteristics Output format Simultaneous YPbPr and RGB

Output levels 700 mV $\pm 1\%$

Resolution 10 bit

Freq. Response < 0.2 dB to 5.5 MHz (RGB or Y),

< 0.2 to 2.2 MHz (P_bP_r)

K-rating (2T) 1% typical

Noise >70 dB rms to 5.5 MHz

Sync Output Characteristics Sync output amplitude $2V \pm 5\%$ into 75 ohm

Sync amp. on RGB or Y 300 mV ± 10 mV into 75 ohm

Other parameters Power +5V ± 0.25 V (200mA max)

 $-5V \pm 0.25V (80mA max)$

Operating Temp. 0^{0} C to 40^{0} C

Aqueous Washable No

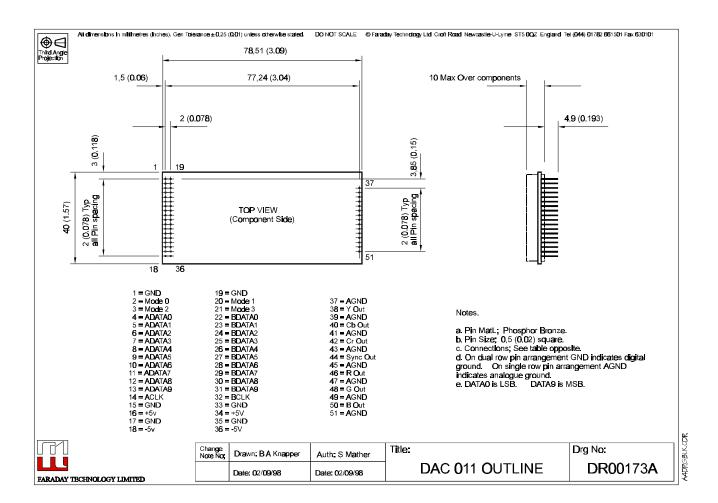
Package DR00173A

	DAC-011A Control Information	
	+5V or Open Circuit	0V
Control 0	See table below	See table below
Control 1	See table below	See table below
Control 2	SYNC's on RGB and Y	No SYNC's on RGB or Y
Control 3	Input 1 selected	Input 2 selected

	DAC-011A Standards Selection	
	Control 0	Control 1
625	0V	+5V or floating
AUTO	+5V or floating	+5V or floating
525	+5V or floating	0V

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PACKAGE DETAIL



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