faraday
TECHNOLOGY

OBSERVE ELECTROSTATIC

PRECAUTIONS

AH842

FULLY BUFFERED NTSC PRE FILTER

The AH842 is a low cost pre A/D filter designed to complement the AH844 post filter for NTSC applications using the 4 x fsc oversampled format. Interfacing to the system is simplified with high input and low output impedance op-amp buffer stages.

Filter Shape	Lowpass
Passband Shape	Flat
Gain	- 0.2 dB $\pm$ 0.2 dB with pin 6 open +5.8 dB $\pm$ 0.2 dB with pin 6 gnd
End Of Passband	4.4 MHz
Passband Amplitude Ripple	0.25 dB max
Loss at 6.75 MHz wrt 100 kHz	30 dB $\pm$ 2 dB
Start of Stopband	7.0 MHz
Stopband Attenuation wrt 100 kHz	40 dB min to 20 MHz 35 dB min to 50 MHz
Group Delay Ripple wrt 200 kHz	$\pm$ 10.0 ns max to 4.3 MHz
Delay Time at 200 kHz	344 ns $\pm$ 10 ns
Typical Current	30 mA (15 mA per rail at $\pm$ 5 v)
Input Impedance	2 MΩ typical
Package	DR00032A

PACKAGE DETAIL

Third Angle Projection

Notes;

Pins Matl; Phosphor Bronze Hot Tin dipped 60/40.

Pins Size; 0,51 (0.02) x 0,25 (0.01).
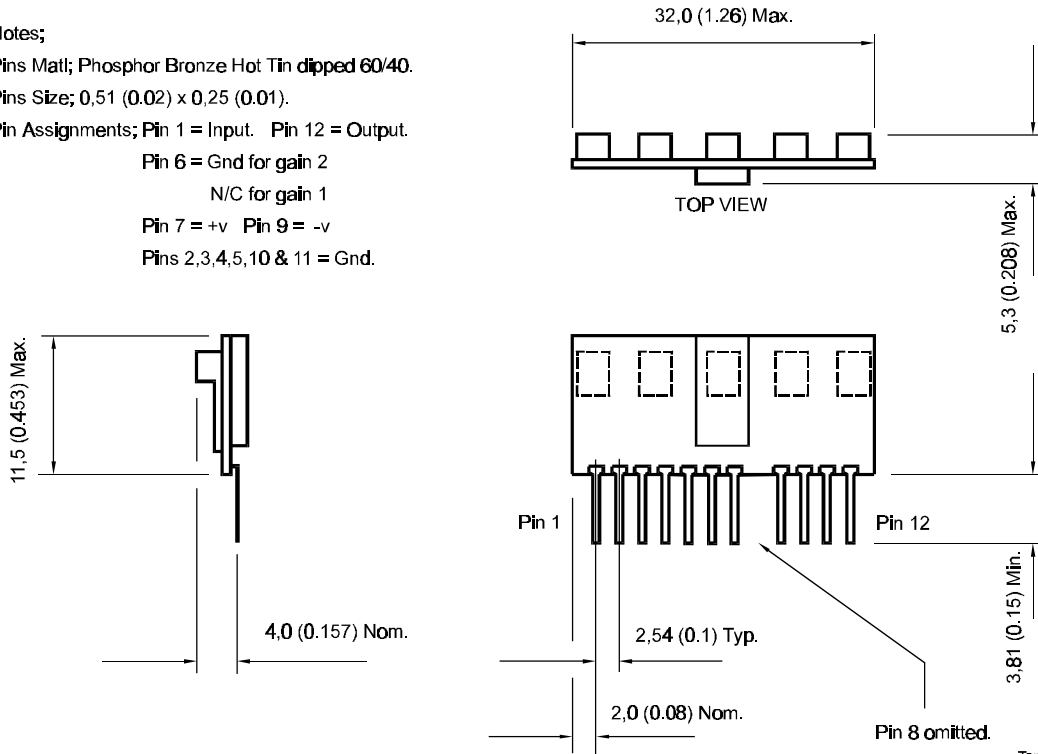
Pin Assignments; Pin 1 = Input.   Pin 12 = Output.

Pin 6 = Gnd for gain 2
          N/C for gain 1

Pin 7 = +v   Pin 9 = -v

Pins 2,3,4,5,10 & 11 = Gnd.

32,0 (1.26) Max.

TOP VIEW

5,3 (0.208) Max.

11,5 (0.453) Max.

4,0 (0.157) Nom.

Pin 1

Pin 12

2,54 (0.1) Typ.

2,0 (0.08) Nom.

Pin 8 omitted.

3,81 (0.15) Min.

Template: DT00032

Drawn:	B A Knapper	Auth:	C Snell	Title:	Drg No:
Date:	29/05/96	Date:	15/01/97	FILTER ASSY	DR00032A

FARADAY TECHNOLOGY LIMITED