

FL1523

2X OVERSAMPLED RECONSTRUCTION FILTER FOR ADV7194

<i>Filter Shape</i>	Lowpass
<i>Passband Shape</i>	Predistortion for ADV7194 encoder roll off including $\sin x/x$ ¹
<i>Sampling Frequency</i>	27 MHz
<i>Insertion Loss at 100 kHz</i>	<3.0 dB
<i>End Of Passband</i>	5.75 MHz
<i>Passband Amplitude Ripple</i>	<0.2 dB to 4.5 MHz ²
<i>Lift at 5.75MHz wrt 100 kHz</i>	1.0 dB \pm 0.25 dB ³
<i>Start Of Stopband</i>	21.25 MHz
<i>Stopband Attenuation wrt 100 kHz</i>	>40 dB to 35 MHz >35 dB to 100 MHz
<i>Group Delay Ripple</i>	<10 ns to 5.2 MHz
<i>Delay Time at 200 kHz</i>	27 ns nominal
<i>Impedance</i>	75 ohms
<i>Temperature Range</i>	0°C to 70°C
<i>Aqueous Washable</i>	Yes
<i>Package</i>	DR00107B

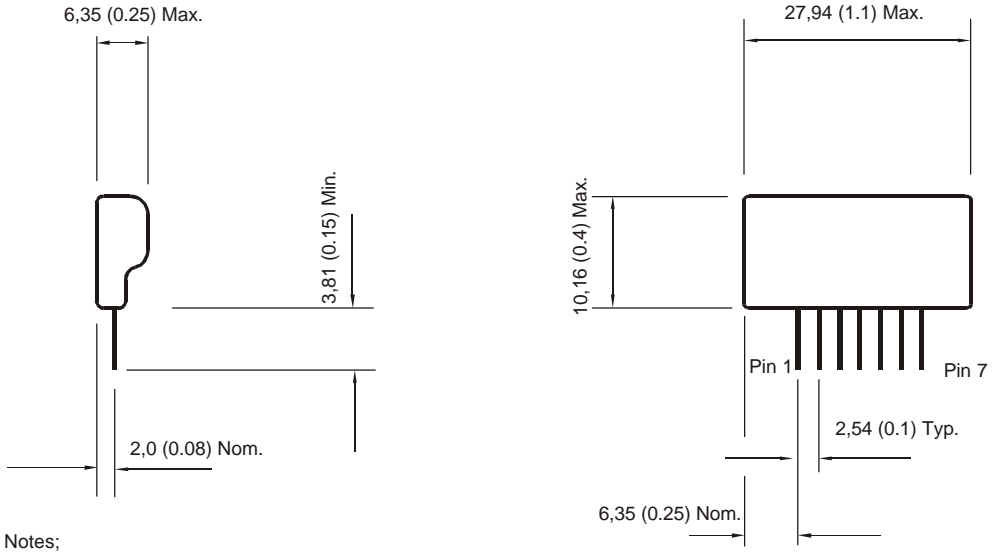
¹Sampling Frequency of 27 MHz

²Measured against ADV7194 encoder roll off and $\sin x/x$ for a S.F. of 27 MHz

³Measured against $\sin x/x$ roll off, 1.0 dB lift included to boost ADV7194 encoder roll of in extended Luma mode.

PACKAGE DETAIL


 All dimensions in millimetres (inches). Gen Tolerance ± 0.05 (0.002) unless otherwise stated. DO NOT SCALE © Faraday Technology Ltd Croft Road Newcastle-U-Lyme ST5 0QZ England Tel (044) 01782 661501 Fax 630101



Notes;
 Pins Matl; Phosphor Bronze pre-plated 60/40 Tin/Lead.
 Pins Size; 0,51 (0.02) x 0,25 (0.01).
 Pin Assignments; Pin 1 = Input.
 Pins 5 & 6 = Output.
 Pins 2, 3, 4 & 7 = Gnd.



			Template: DI00107	
Change Note No:	Drawn: B A Knapper	Auth: C Snell	Title: FILTER ASSY	
417	Date: 07/01/98	Date: 08/01/98	Drg No: DR00107B	