

## **FF....L SERIES** LOW PASS VIDEO FILTER

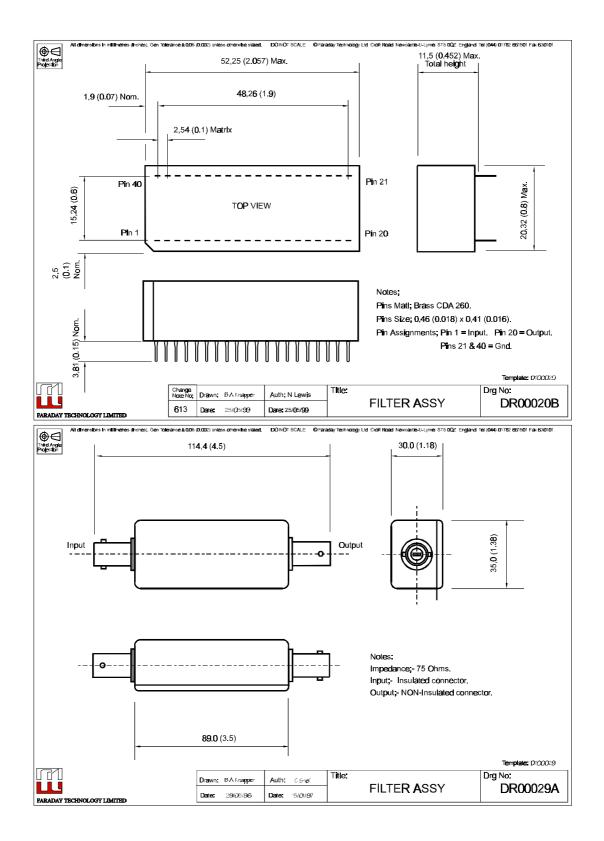
## **STEEPNESS FACTOR 1.35**

These low pass video filters are intended for bandwidth limitation over the video range of frequencies. The filters are 7-pole Elliptical Function networks which have been equalised to correct for group delay distortion over 95% of the passband and for loss distortion over the entire passband. Degradation of a composite video signal is minimal when a 4.5 MHz or 5.5 MHz filter is selected for a 525 or 625 line T.V. system. Typical uses are to suppress sound or telephone channels placed above and close to the video band. The standard filters are specified. We would be pleased to examine special requirements.

	Order Code	End of Passband	Start of Stopband	Delay Time
		MHz	MHz	ns
	FF0200L*	2.00	2.69	1274
	FF0250L*	2.50	3.37	1019
	FF0300L*	3.00	4.04	850
	FF0350L*	3.50	4.71	728
	FF0400L*	4.00	5.38	637
	FF0450L*	4.50	6.06	566
	FF0500L*	5.00	6.73	510
	FF0550L*	5.50	7.40	463
	FF0600L*	6.00	8.08	425
	FF0650L*	6.50	8.75	392
	FF0700L*	7.00	9.42	364
	FF0750L*	7.50	10.10	340
	FF0800L*	8.00	10.77	319
	FF0850L*	8.50	11.44	300
	FF0900L*	9.00	12.13	383
	FF0950L*	9.50	12.79	268
	FF1000L*	10.00	13.46	255
* insert suffix 'D' for DIP package eg FF0500LD suffix 'B' for BNC package eg FF0500LB				DR00020B
				DR00029A
Other data	Impedance			75 ohms
	Insertion Loss Stopband attenuation wrt 100 kHz			< 1.5 dB
				> 45 dB
	Amplitude ripple in passband			< 0.2 dB
	Video performance for filters of 5.0 MHz (4.5 MHz for . Pulse and bar: K - rating Luminance/Chrominance Gain inequality (20T)			
				< 0.5 %
				< 1.5 %
	Luminance/Chrominance Delay inequality			< 5 ns
	Aqueous Washable Backage			No <i>DR00020B</i>
	Package			DI(00020D

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## PACKAGE DETAIL



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