

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

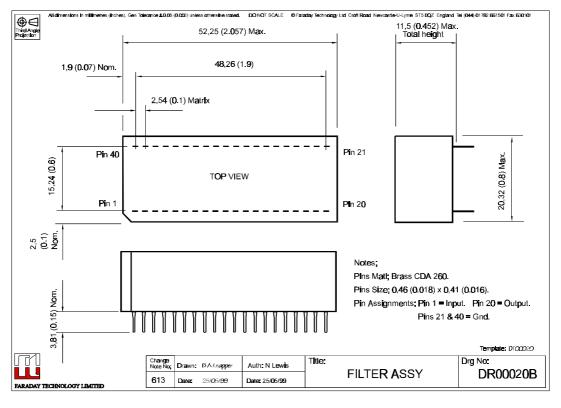
## **STEEPNESS FACTOR 1.14**

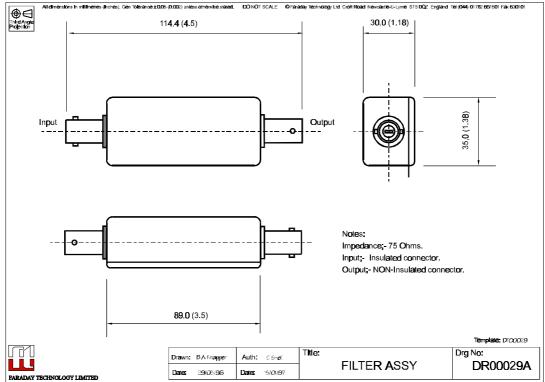
These low pass video filters are intended for bandwidth limitation over the video range of frequencies where it is required to attenuate frequencies close to the edge of the passband. The filters are 9-pole Elliptical Function networks which have been equalised to correct for group delay distortion over 80% 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.

	Order Code		End of Passband	Start of Stopband	Group Delay Ripple		Delay Time
			MHz	MHz	ns		ns
	FF0300P*		3.00	3.42	25		1063
	FF0350P*		3.50	3.99	20		910
	FF0400P*		4.00	4.56	20		798
	FF0450P*		4.50	5.13	17		710
	FF0500P*		5.00	5.70	17		638
	FF0550P*		5.50	6.27	17		580
	FF0600P*		6.00	6.84	15		530
	FF0650P*		6.50	7.41	15		490
FF0700P*		<b>P</b> *	7.00	7.98	15		455
FF0750P*		P*	7.50	8.55	10		425
FF0800P*		P*	8.00	9.12	10		400
FF0850P*		P*	8.50	9.69	10		375
FF0900P*		P*	9.00	10.26	10		355
	FF0950P* FF1000P*		9.50	10.83	10		335
			10.00	11.40	10		320
		suffix	'D' for DIP pack	I	OR00020B		
		suffix 'B' for BNC package eg FF0500PB				DR00029A	
Other data		Impedance				75 ohms	
		Insertion Loss				< 2.0 dB	
		Stopband attenuation wrt 100 kHz				> 45 dB	
		Amplitude ripple in passband     < 0.2 dB					
		Video performance for filters of 5.5 MHz (4.5 MHz for S Pulse and bar: K - rating				5 line) and abo < 1.0 %	ove.
		<i>Luminance/Chrominance Gain inequality (20T)</i>				< 1.0 % < 1.5 %	
		Luminance/Chrominance Delay inequality				< 5  ns	
		Aqueous Washable				No	
		*					

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## PACKAGE DETAIL





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