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.

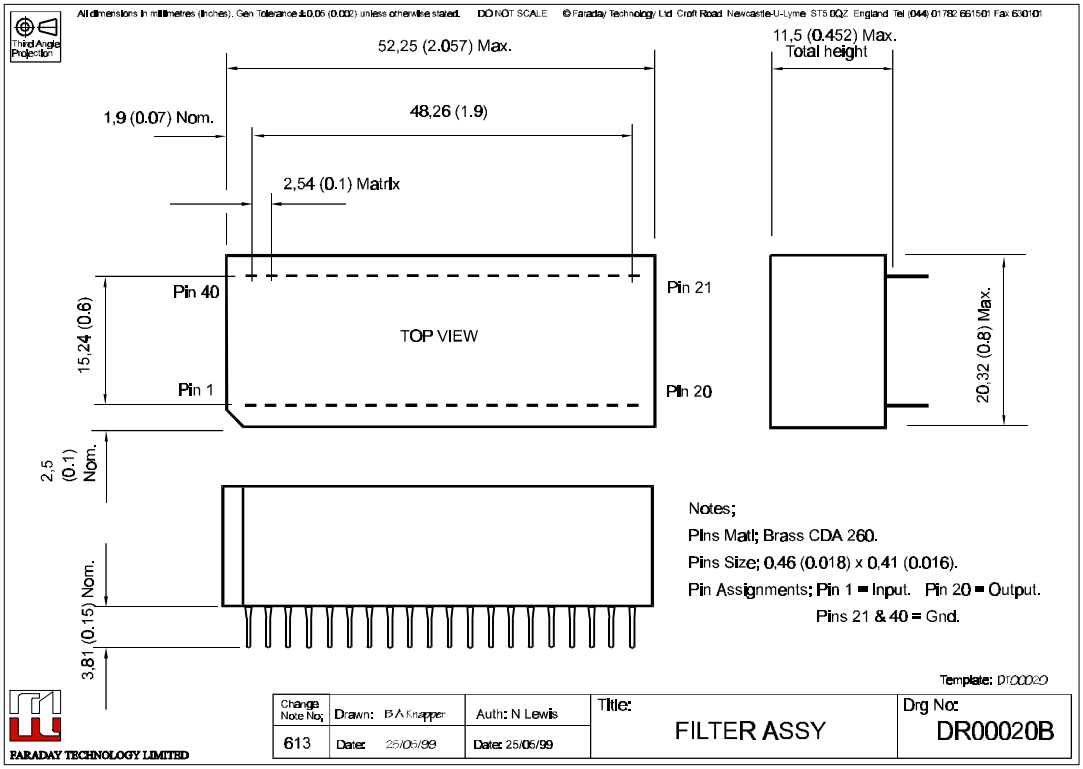
Order Code	End of Passband	Start of Stopband	Group Delay Ripple	Delay Time
	MHz	MHz	ns	ns
FF0300P*	3.00	3.42	25	1063
FF0350P*	3.50	3.99	20	910
FF0400P*	4.00	4.56	20	798
FF0450P*	4.50	5.13	17	710
FF0500P*	5.00	5.70	17	638
FF0550P*	5.50	6.27	17	580
FF0600P*	6.00	6.84	15	530
FF0650P*	6.50	7.41	15	490
FF0700P*	7.00	7.98	15	455
FF0750P*	7.50	8.55	10	425
FF0800P*	8.00	9.12	10	400
FF0850P*	8.50	9.69	10	375
FF0900P*	9.00	10.26	10	355
FF0950P*	9.50	10.83	10	335
FF1000P*	10.00	11.40	10	320

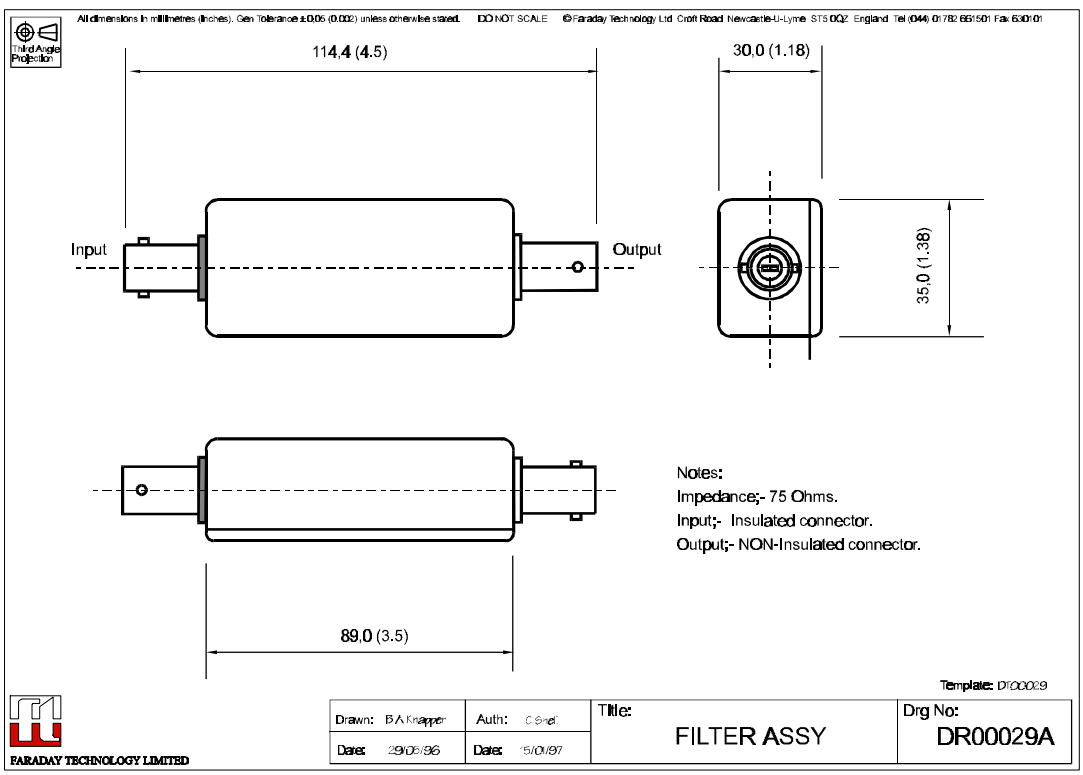
* insert	suffix ‘D’ for DIP package eg FF0500PD	DR00020B
	suffix ‘B’ for BNC package eg FF0500PB	DR00029A

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 525 line) and above.	
	Pulse and bar: K - rating	< 1.0 %
	Luminance/Chrominance Gain inequality (20T)	< 1.5 %
	Luminance/Chrominance Delay inequality	< 5 ns
	Aqueous Washable	No

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PACKAGE DETAIL





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