FF….M SERIES
LOW PASS VIDEO FILTER

STEEPNESS FACTOR 1.14

This range of Elliptical Function Low Pass filters is intended for bandwidth limitation where a fast rate of cut off is required. It is especially useful in removing sound sub-carriers from a video signal while maintaining essential bandwidth. The filters are corrected for group delay distortion over 85% 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.

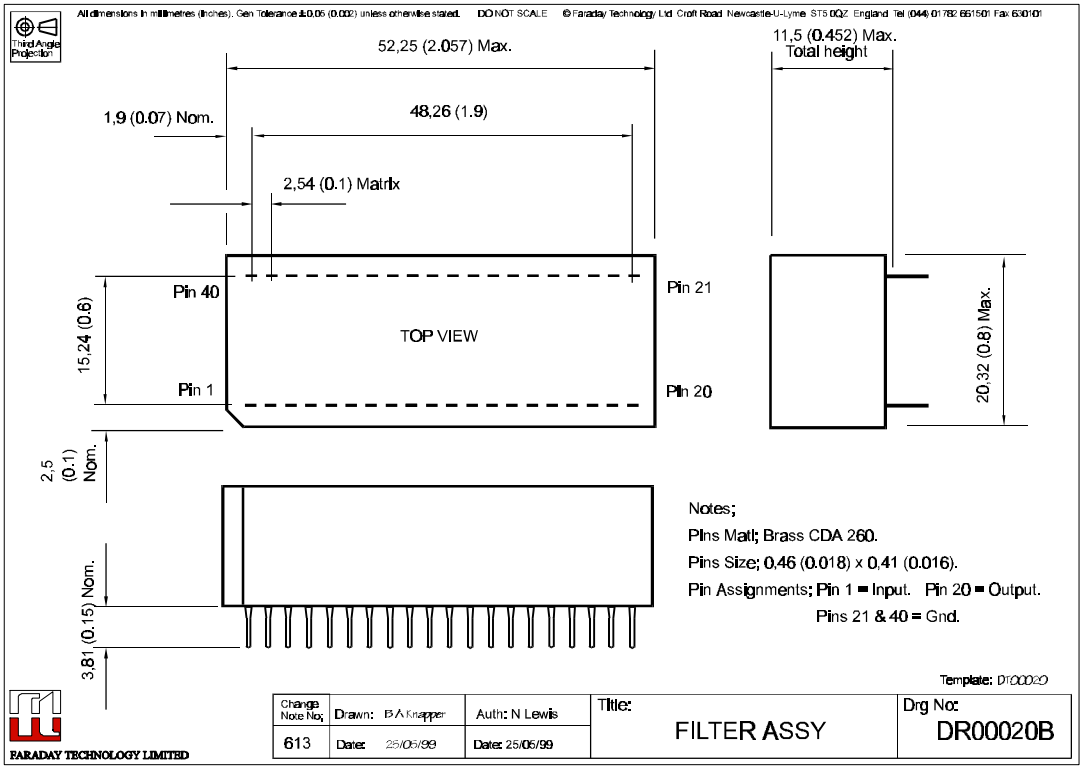
Order Code	End of Passband	Start of Stopband	Group Delay Ripple	Delay Time
	MHz	MHz	ns	ns
FF0200M*	2.00	2.28	40	1307
FF0250M*	2.50	2.85	30	1047
FF0300M*	3.00	3.42	25	874
FF0350M*	3.50	3.99	25	749
FF0400M*	4.00	4.56	20	655
FF0450M*	4.50	5.13	20	582
FF0500M*	5.00	5.70	15	523
FF0550M*	5.50	6.27	15	476
FF0580M*	5.80	6.60	15	452
FF0600M*	6.00	6.84	15	436
FF0650M*	6.50	7.41	12	403
FF0700M*	7.00	7.98	12	374
FF0750M*	7.50	8.55	10	349
FF0800M*	8.00	9.12	10	327
FF0850M*	8.50	9.69	10	308
FF0900M*	9.00	10.26	10	291
FF0950M*	9.50	10.83	10	275
FF1000M*	10.00	11.40	10	262

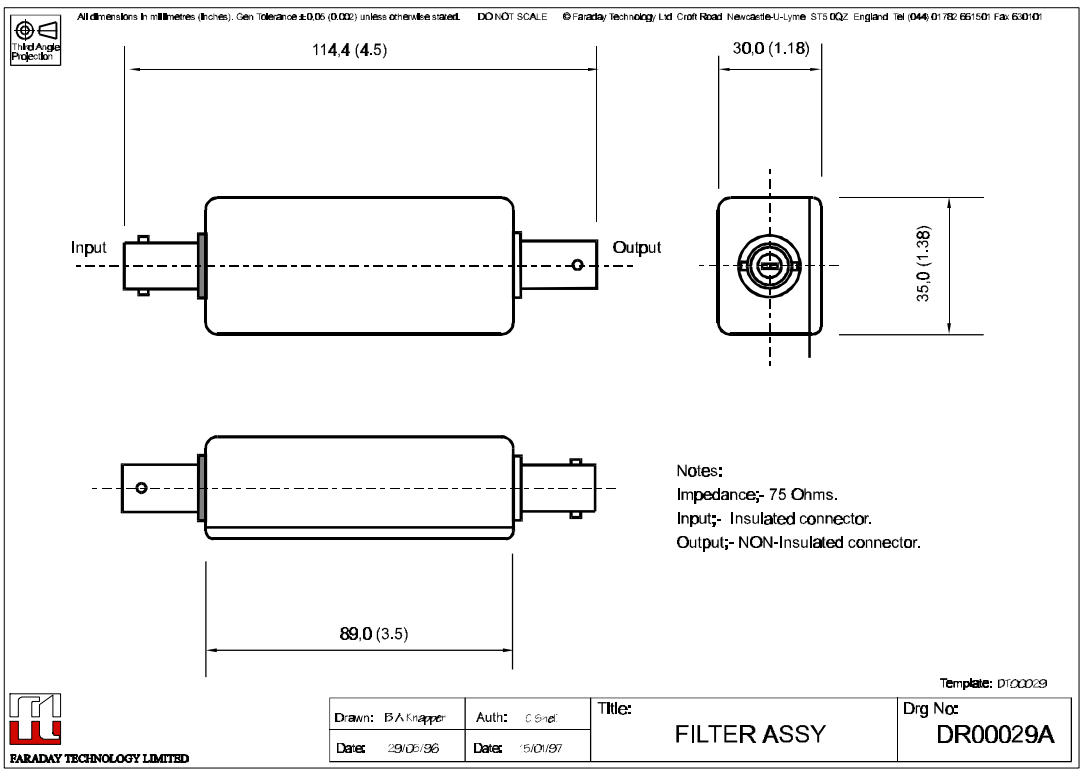
* insert	suffix ‘D’ for DIP package eg FF0500MD	DR00020B
	suffix ‘B’ for BNC package eg FF0500MB	DR00029A

Other data	*Impedance*	75 ohms
	Insertion Loss	< 2.0 dB
	Stopband attenuation wrt 100 kHz	> 40 dB
	Amplitude ripple in passband	< 0.3 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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