FF…J SERIES

GENERAL PURPOSE VIDEO FILTER

STEEPNESS FACTOR 1.32

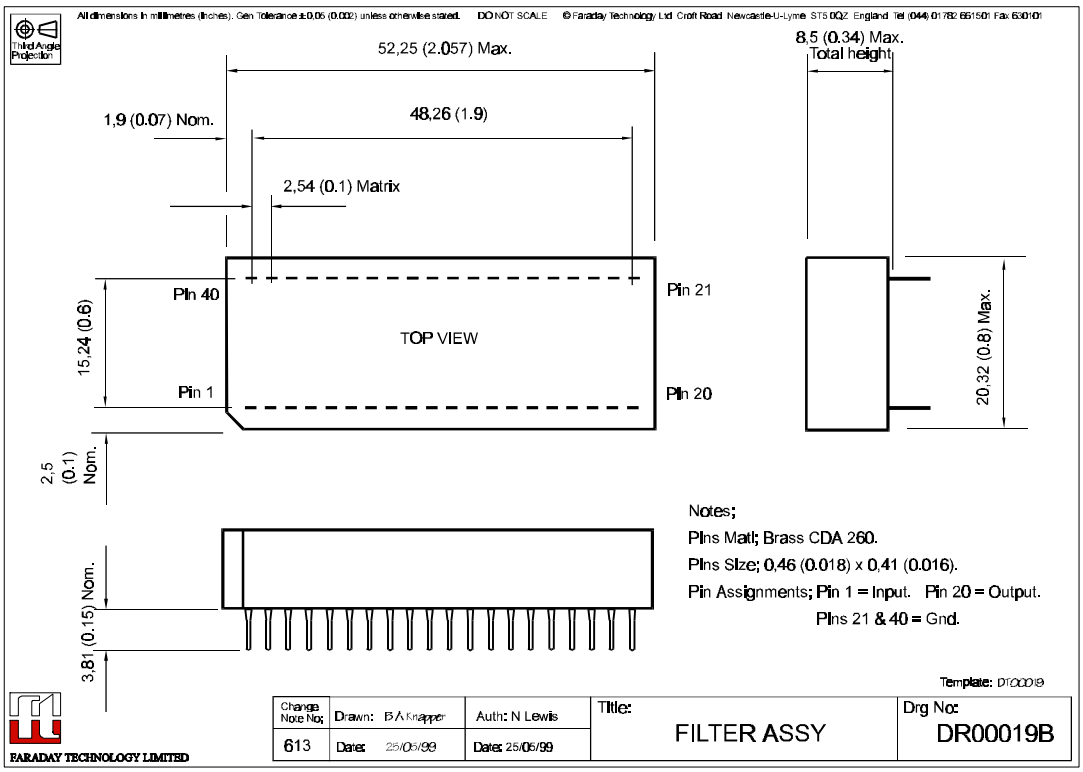
This range of 7-pole Elliptical Function low pass filters is similar to a type which has been successfully used in Broadcasting for many years but is offered in a small size and at a reduced cost. The filters are corrected for group delay distortion over 95% of the passband and for loss distortion over 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.

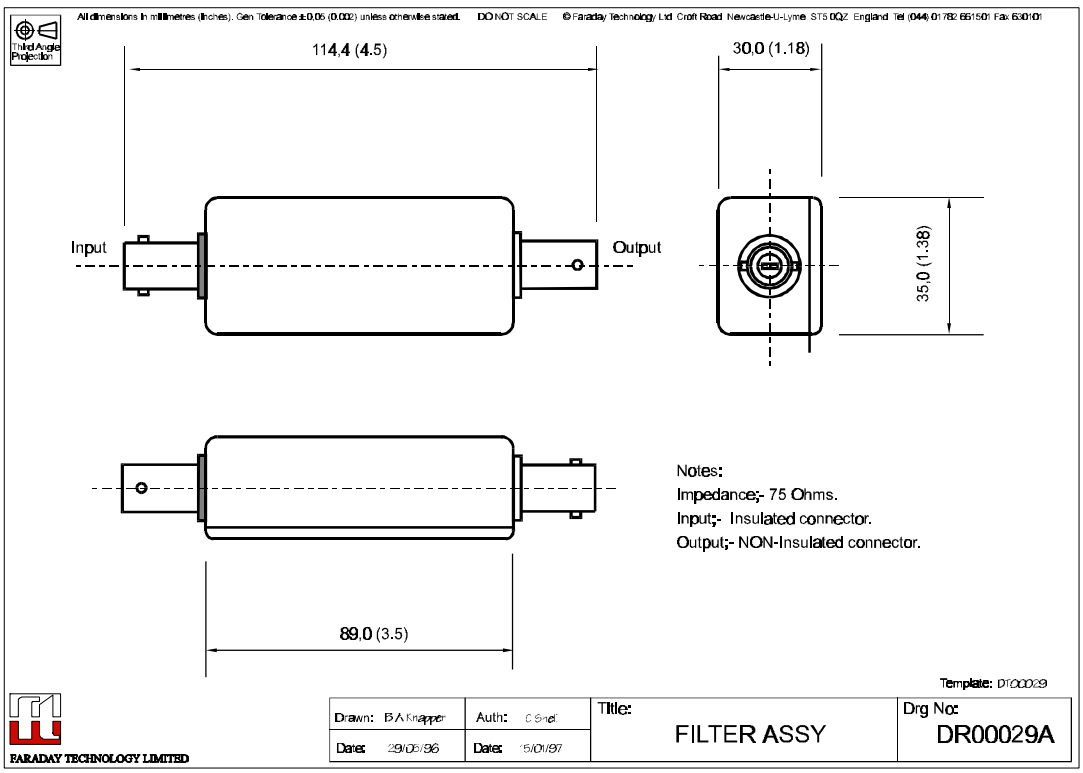
Order Code	End of Passband	Nominal 3 dB	Start of Stopband	Group Delay Ripple	Delay Time
	MHz	MHz	MHz	ns	ns
FF0200J*	2.00	2.15	2.65	50	1303
FF0250J*	2.50	2.68	3.32	40	1043
FF0300J*	3.00	3.22	3.98	33	870
FF0350J*	3.50	3.75	4.64	29	745
FF0400J*	4.00	4.29	5.30	25	652
FF0450J*	4.50	4.83	5.97	22	579
FF0500J*	5.00	5.36	6.63	20	521
FF0550J*	5.50	5.90	7.29	18	475
FF0600J*	6.00	6.44	7.96	17	434
FF0650J*	6.50	6.97	8.62	15	401
FF0700J*	7.00	7.51	9.28	14	372
FF0750J*	7.50	8.04	9.95	13	348
FF0800J*	8.00	8.58	10.60	13	326
FF0850J*	8.50	9.12	11.27	12	307
FF0900J*	9.00	9.65	11.94	11	290
FF0950J*	9.50	10.19	12.60	11	274
FF1000J*	10.00	10.73	13.26	10	261

* insert	suffix ‘D’ for DIP package eg FF0500JD	DR00019B
	suffix ‘B’ for BNC package eg FF0500JB	DR00029A

Other data	*Impedance*	75 ohms
	Insertion Loss	< 1.0 dB
	Stopband attenuation wrt 100 kHz	> 45 dB
	Amplitude ripple in passband	< 0.2 dB
	Video performance for filters of 5.0 MHz (4.5 MHz for 525 line) and above.	
	Pulse and bar: K - rating	< 0.5 %
	Luminance/Chrominance Gain inequality (20T)	< 2 %
	Luminance/Chrominance Delay inequality	< 10 ns
	Aqueous Washable	No

PACKAGE DETAIL





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