

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.

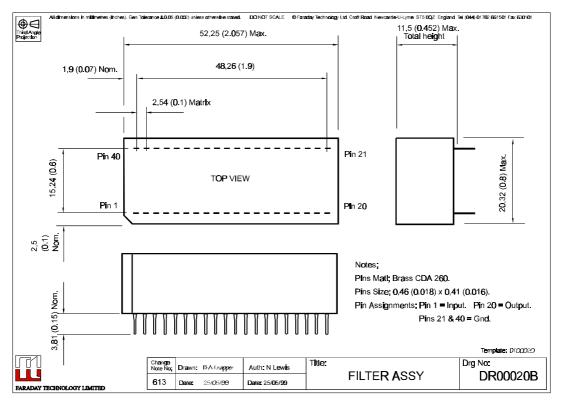
	Order C	ode	End of Passban	d Start of Stopband	Group Delay Ripp	le Delay Time
			MHz	MHz	ns	ns
	FF0200	M*	2.00	2.28	40	1307
	FF0250	M*	2.50	2.85	30	1047
	FF0300	M*	3.00	3.42	25	874
	FF0350	M*	3.50	3.99	25	749
	FF0400M* FF0450M*		4.00	4.56	20	655
			4.50	5.13	20	582
	FF0500	M*	5.00	5.70	15	523
	FF0550	M*	5.50	6.27	15	476
	FF0580	M*	5.80	6.60	15	452
	FF0600	M*	6.00	6.84	15	436
	FF0650	M*	6.50	7.41	12	403
	FF0700	M*	7.00	7.98	12	374
	FF0750	M*	7.50	8.55	10	349
	FF0800	M*	8.00	9.12	10	327
	FF0850	M*	8.50	9.69	10	308
	FF0900	M*	9.00	10.26	10	291
	FF0950	M*	9.50	10.83	10	275
	FF1000	M*	10.00	11.40	10	262
	* insert		O' for DIP packag B' for BNC packag		DR00020B DR00029A	
Other data		Impedance			75 ohms	
		Insertion			< 2.0 dB	
		-	d attenuation wrt		> 40 dB	
			de ripple in passl		< 0.3 dB	
		-		ters of 5.5 MHz (4.5 MH	•	ove.
			nd bar: K - rating	Gain inequality (20T)	< 1.0 % < 1.5 %	
				2 P · · · ·	< 1.5 % < 5 ns	
		Luminance/Chrominance Delay inequality			< 5 115	

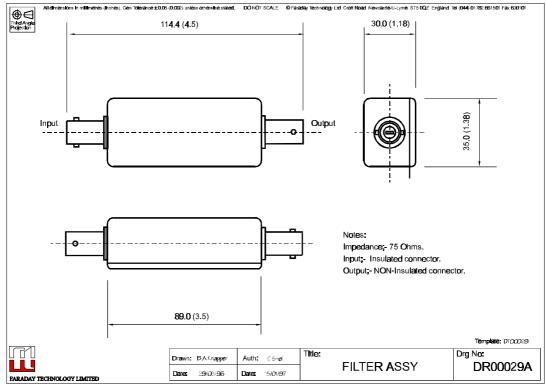
© Faraday Technology. As part of continual product improvement the specifications, details and dimensions shown in this publication are subject to change without notice

Aqueous Washable

No

PACKAGE DETAIL





Faraday Technology Ltd. Croft Road Industrial Estate, Newcastle, Staffordshire ST5 0QZ. England. *FARA169d*
 Tel:
 + 44 (0)1782 661501

 Fax:
 + 44 (0)1782 630101

 Email:
 sales@faradaytech.co.uk

 Web site:
 http://www.faradaytech.co.uk

 Dec-99(A)