GENERAL PURPOSE VIDEO FILTERS

SL…J SERIES
STEEPNESS FACTOR 1.33

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 16 pin Single In Line package at reduced costs. 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
SL0200J	2.00	2.15	2.65	50	1303
SL0250J	2.50	2.68	3.32	40	1043
SL0300J	3.00	3.22	3.98	33	870
SL0350J	3.50	3.75	4.64	29	745
SL0400J	4.00	4.29	5.30	25	652
SL0450J	4.50	4.83	5.97	22	579
SL0500J	5.00	5.36	6.63	20	521
SL0550J	5.50	5.90	7.29	18	475
SL0600J	6.00	6.44	7.96	17	434
SL0650J	6.50	6.97	8.62	15	401
SL0700J	7.00	7.51	9.28	14	372
SL0750J	7.50	8.04	9.95	13	348
SL0800J	8.00	8.58	10.60	13	326
SL0850J	8.50	9.12	11.27	12	307
SL0900J	9.00	9.65	11.94	11	290
SL0950J	9.50	10.19	12.60	10	274
SL1000J	10.00	10.73	13.26	10	261

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 (4.25 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	Yes

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

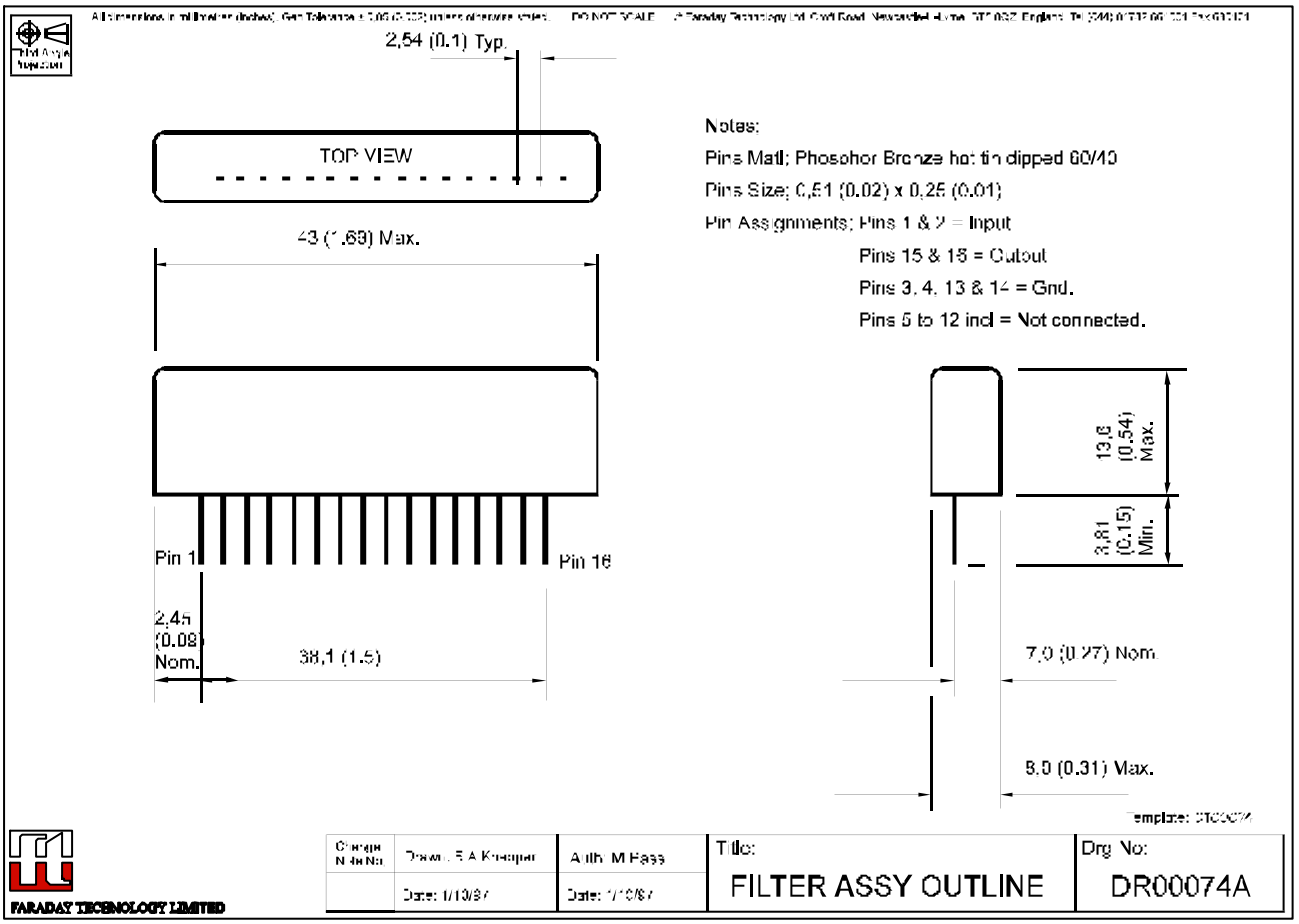
PACKAGE DETAIL

Package	DR00074A

Faraday Technology Ltd.
Croft Road Industrial Estate,
Newcastle, Staffordshire
ST5 0QZ. England.

Tel: + 44 (0)1782 661501
Fax: + 44 (0)1782 630101
Email: sales@faradaytech.co.uk
Web site: http://www.faradaytech.co.uk

PACKAGE DETAIL



Faraday Technology Ltd.
Croft Road Industrial Estate,
Newcastle, Staffordshire
ST5 0QZ. England.

Tel: + 44 (0)1782 661501
Fax: + 44 (0)1782 630101
Email: sales@faradaytech.co.uk
Web site: http://www.faradaytech.co.uk