GENERAL PURPOSE VIDEO FILTERS

SL...A SERIES

STEEPNESS FACTOR 1.40

This range of 7-pole Elliptical Function Low Pass Filters is intended for bandwidth limitation with minimal distortion of the transmitted signal. The filters are corrected for Group Delay distortion over approx. 92% 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. Specifically the 14.0 MHz filter has become popular in COFDM systems to band limit 8.0 MHz signals centred on 9.143 MHz.

Order Code	End of Passband MHz	Start of Stopband MHz	Group Delay Ripple ns max	Delay Time ns
SL0200A	2.00	2.80	40	785
SL0250A	2.50	3.50	30	628
SL0300A	3.00	4.20	25	523
SL0350A	3.50	4.90	25	448
SL0400A	4.00	5.60	20	392
SL0450A	4.50	6.30	20	349
SL0500A	5.00	7.00	15	314
SL0550A	5.50	7.70	15	285
SL0600A	6.00	8.40	15	262
SL0650A	6.50	9.10	12	242
SL0700A	7.00	9.80	12	224
SL0750A	7.50	10.50	10	209
SL0800A	8.00	11.20	10	196
SL0850A	8.50	11.90	10	185
SL0900A	9.00	12.60	10	174
SL0950A	9.50	13.20	10	165
SL1000A	10.00	14.00	10	157
SL1400A	14.00	19.60	8	115

This range may be extended down to 0.5 MHz and up to 20 MHz. Filters with other end of passband frequencies within the range can be supplied at no extra cost.
Order as SL****A inserting the frequency required in place of the asterisk eg for 5.23 MHz SL0523A.

Other data	*Impedance*	75 ohms
	Insertion Loss	< 1.5 dB
	Stopband attenuation wrt 100 kHz	> 40 dB
	Amplitude ripple in passband	< 0.3 dB
	Video performance for filters of 5.0 MHz (4.5 MHz for 525 line) and above.	
	Pulse and bar: K - rating	< 1 %
	Luminance/Chrominance Gain inequality (20T)	< 3 %

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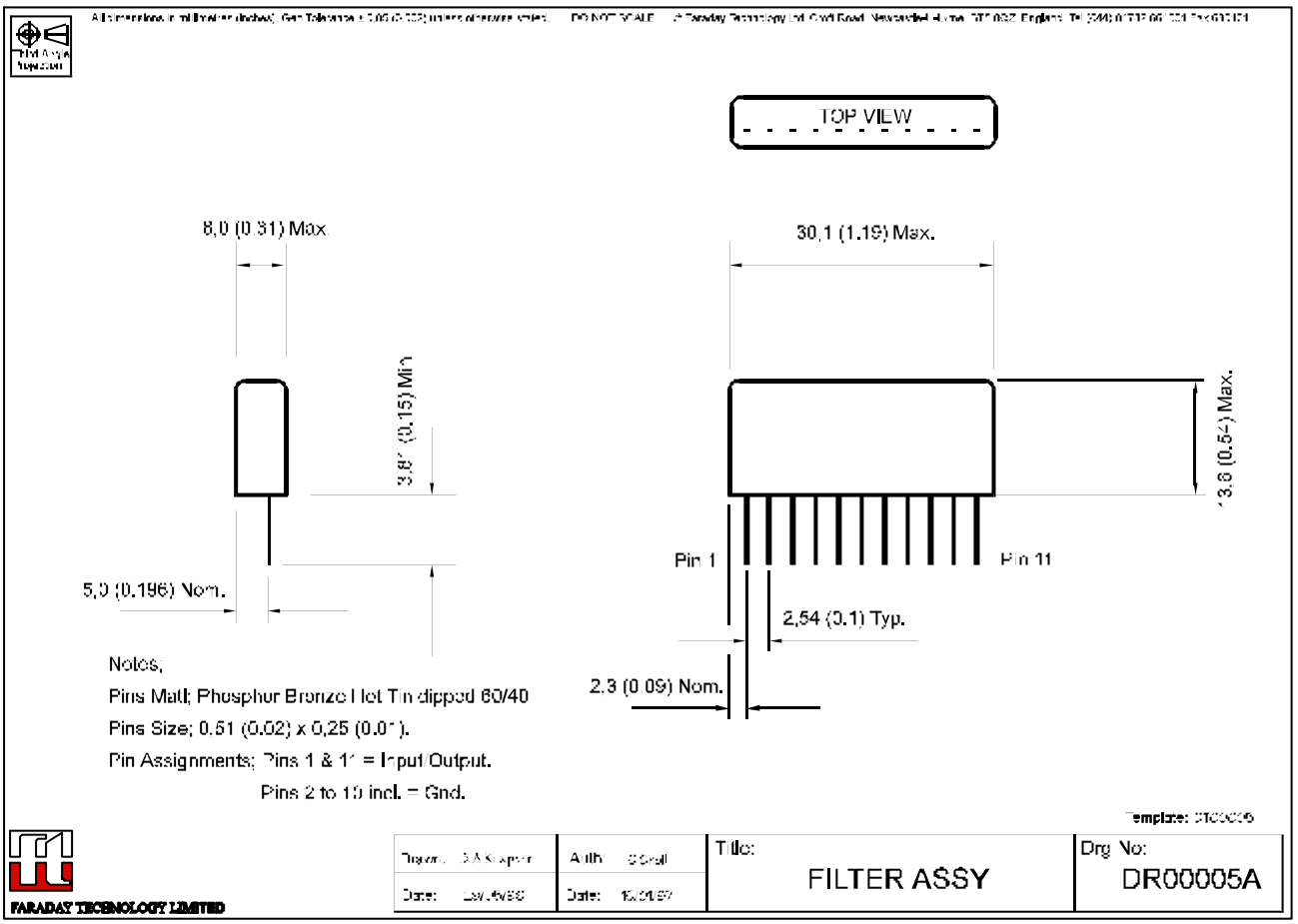
PACKAGE DETAIL

Luminance/Chrominance Delay inequality	< 10 ns
Aqueous Washable	*Yes*
Package	DR00005A

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