

S14 SERIES

GENERAL PURPOSE LP FILTER

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. The filters may be used for antialiasing in A-D and D-A systems.

Order Code	End of Passband MHz	Start of Stopband MHz	Group Delay Ripple ns	Delay Time ns
S14020G	2.00	2.80	40	785
S14025G	2.50	3.50	30	628
S14030G	3.00	4.20	25	523
S14035G	3.50	4.90	25	448
S14040G	4.00	5.60	20	392
S14045G	4.50	6.30	20	349
S14050G	5.00	7.00	15	314
S14055G	5.50	7.70	15	285
S14060G	6.00	8.40	15	262
S14065G	6.50	9.10	12	242
S14070G	7.00	9.80	12	224
S14075G	7.50	10.50	10	209
S14080G	8.00	11.20	10	196
S14085G	8.50	11.90	10	185
S14090G	9.00	12.60	10	174
S14095G	9.50	13.20	10	165
S14100G	10.00	14.00	10	157

Other data	<i>Impedance</i>	75 ohms
	<i>Stopband attenuation wrt 100 kHz</i>	> 40 dB
	<i>Insertion Loss at 100 kHz</i>	< 1.3 dB
	<i>Amplitude ripple in passband</i>	< 0.2 dB
	<i>Video performance for filters of 5.5 MHz (4.5 MHz for 525 line) and above.</i>	
	<i>Pulse and bar: K - rating</i>	< 0.5%
	<i>Luminance/Chrominance Gain inequality (20T)</i>	< 3%
	<i>Luminance/Chrominance Delay inequality (20T)</i>	< 10 ns
	<i>Aqueous Washable</i>	Yes
	<i>Package</i>	DR00014A

PACKAGE DETAIL

