

FLB... SERIES

GENERAL PURPOSE LP FILTER

STEEPNESS FACTOR 1.45

This range of 7-pole Elliptical Function Low Pass Filters is derived from a well proven, versatile design for high transparency applications but is offered in a reduced size. The filters are corrected for Group Delay beyond the passband edge (104%) thus minimising time domain ringing 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 MHz	Start of Stopband MHz	Group Delay Ripple ns
FLB0275	2.75	4.00	20.0
FLB0300	3.00	4.35	18.5
FLB0350	3.50	5.08	16.0
FLB0400	4.00	5.80	14.0
FLB0450	4.50	6.53	12.5
FLB0500	5.00	7.25	11.0
FLB0550	5.50	7.98	10.0
FLB0600	6.00	8.70	9.5
FLB0650	6.50	9.43	8.5
FLB0700	7.00	10.15	8.0
FLB0750	7.50	10.88	7.5
FLB0800	8.00	11.16	7.0
FLB0850	8.50	12.33	6.5
FLB0900	9.00	13.05	6.5
FLB0950	9.50	13.78	6.0
FLB1000	10.00	14.50	5.5

Filters with other end of passband frequencies within the range can be supplied at no extra cost.

Order as FLB*** inserting the frequency required in place of the asterisk eg for 5.23 MHz FLB0523.

Other data	<i>Impedance</i>	75 ohms
	<i>Stopband attenuation wrt 100 kHz</i>	> 45 dB
	<i>Amplitude ripple in passband</i>	< 0.2 dB
	<i>Video performance for filters of 5.0 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>	< 2%
	<i>Luminance/Chrominance Delay inequality</i>	< 10 ns
	<i>Aqueous Washable</i>	No
	<i>Package</i>	DR00112A

PACKAGE DETAIL

