

FF...UD SERIES

GENERAL PURPOSE LP FILTER

STEEPNESS FACTOR 1.35

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 small size with improved group delay and amplitude ripple. The filters are corrected for Group Delay distortion over approx. 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 MHz	Start of Stopband MHz	Group Delay Ripple ns max	Delay Time ns
FF0200UD	2.00	2.70	25.0	1575
FF0250UD	2.50	3.38	20.0	1260
FF0300UD	3.00	4.05	17.0	1050
FF0350UD	3.50	4.73	15.0	900
FF0400UD	4.00	5.40	13.0	786
FF0450UD	4.50	6.08	11.0	700
FF0500UD	5.00	6.75	10.0	630
FF0550UD	5.50	7.43	9.0	573
FF0600UD	6.00	8.10	8.5	525
FF0650UD	6.50	8.78	8.0	485
FF0700UD	7.00	9.45	7.5	450
FF0750UD	7.50	10.13	7.0	420
FF0800UD	8.00	10.80	6.5	394
FF0850UD	8.50	11.48	6.0	370
FF0900UD	9.00	12.15	5.5	350
FF0950UD	9.50	12.83	5.5	332
FF1000UD	10.00	13.50	5.0	315

This range may be extended up to 30 MHz. Filters with other end of passband frequencies within the range can be supplied at no extra cost.

Order as FF****UD inserting the frequency required in place of the asterisk eg for 5.23 MHz FF0523UD.

Other data	<i>Impedance</i>	75 ohms
	<i>Stopband attenuation wrt 100 kHz</i>	> 40 dB
	<i>Amplitude ripple in passband</i>	< 0.05 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>	DR00065B

PACKAGE DETAIL

