

COMPOSITE VIDEO COLOUR SUB-CARRIER PASS AND REJECTION FILTERS

These filters are to a proven design to suppress or pass the colour sub-carrier elements of a composite video signal. The reject filters are group delay equalised in order to minimise the distortion to the luminance signal. With this type of filter there is always a compromise between the amount of colour signal rejected and the loss of picture definition which can be tolerated.

The filters offered below have found to be acceptable but other bandwidths and rates of cut-off can be supplied upon request.

Specification – Sub-Carrier Pass Filters

	PAL	NTSC
Order code	FC443PC	FC358PC
Centre Frequency MHz	4.43	3.58
3 dB loss frequency MHz	4.21/4.59	3.40/3.71
28 dB loss frequency MHz	3.60/6.70	2.91/5.41
Insertion loss at Centre Frequency dB	< 1.0	< 1.0
Package	DR00014A	DR00014A

Specification – Sub-Carrier Rejection Filters

		PAL		NTSC	
Order code		FC443AD	FC443WD	FC358AD	FC358WD
Centre Frequency MHz		4.43	4.43	3.58	3.58
3 dB loss frequency MHz		3.86/5.04	3.53/5.34	3.12/4.07	2.85/4.32
Loss at Centre Frequency dB		16	26	16	26
Pulse and Bar	K_p	2	2	2	2
	K_{pb}	2	2	2	2
Package		DR00009B	DR00009B	DR00009B	DR00009B

Note: These items are **NOT** aqueous washable.

PACKAGE DETAIL

