

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.

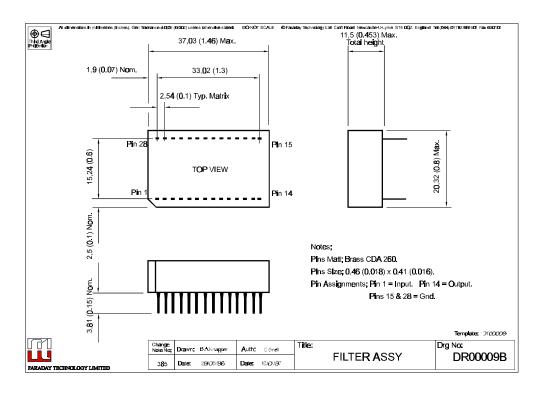
Specification - Sub-Carrier Pass Filters

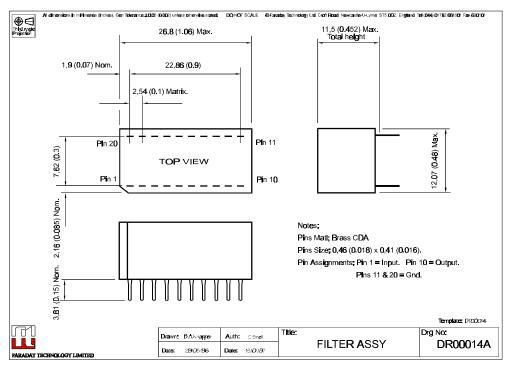
| | PAL | NTSC |
|---------------------------------------|-----------|-----------|
| Order code | FC443PC | FC358PC |
| Centre Frequency MHz | 4.43 | 3.58 |
| 3 dB loss frequency MHz | 4.21/4.59 | 3.40/3.71 |
| 28 dB loss frequency MHz | 3.60/6.70 | 2.91/5.41 |
| Insertion loss at Centre Frequency dB | < 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 | Kp | 2 | 2 | 2 | 2 |
| | K _{pb} | 2 | 2 | 2 | 2 |
| Package | | DR00009B | DR00009B | DR00009B | DR00009B |

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





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Jan-00(B)