BANDPASS FILTERS FOR SOUND TRANSMISSION ON TV LINKS

It is often desirable for operators of video links to utilise the spare bandwidth above the video band to carry radio or telephony channels. These channels are modulated onto sub-carriers, often in pairs.

The filters offered in this range are for the separation of the sub-carrier channels from the video band. They are designed on centre frequencies of 6.20, 6.80, 7.02, 7.50, 8.065, 8.59 and 10.70 MHz. The passband and stopband widths are shown below. The group delay is approximately parabolic in shape about the centre frequency.

Similar filters with other centre frequencies, bandwidths or impedances may be available on request.

Centre Freq.	Passband Width	Stopband	Bandwidth
MHz	MHz	30 dB	40 dB
6.200	0.25	0.80	1.00
6.800	0.25	0.80	1.00
7.020	0.25	0.80	1.00
7.500	0.25	0.80	1.00
8.065	0.25	0.80	1.00
8.590	0.25	0.80	1.00
6.200	0.50	1.50	2.00
6.800	0.50	1.50	2.00
7.020	0.50	1.50	2.00
7.500	0.50	1.50	2.00
8.065	0.50	1.50	2.00
8.590	0.50	1.50	2.00
	Centre Freq. MHz 6.200 6.800 7.020 7.500 8.065 8.590 6.200 6.800 7.020 7.500 8.065 8.590	Centre Freq. Passband Width MHz MHz 6.200 0.25 6.800 0.25 7.020 0.25 7.500 0.25 8.065 0.25 8.590 0.25 6.200 0.50 6.800 0.50 7.500 0.50 8.590 0.50 7.500 0.50 7.500 0.50 8.065 0.50 8.065 0.50 8.065 0.50 8.065 0.50 8.065 0.50 8.590 0.50	Centre Freq. MHzPassband Width MHzStopband 30 dB6.2000.250.806.8000.250.807.0200.250.807.5000.250.808.0650.250.808.5900.250.806.2000.501.506.8000.501.507.0200.501.507.5000.501.508.0650.501.508.0650.501.508.0650.501.508.5900.501.50

Impedance	75 ohms	
Temperature Range	$0^{\circ}C$ to $70^{\circ}C$	
Aqueous Washable	No	
Package	DR00009B	

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PACKAGE DETAIL

