faraday
TECHNOLOGY

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.

Order Code	Centre Freq. MHz	Passband Width MHz	Stopband 30 dB	Bandwidth 40 dB
BN0620A	6.200	0.25	0.80	1.00
BN0680A	6.800	0.25	0.80	1.00
BN0702A	7.020	0.25	0.80	1.00
BN0750A	7.500	0.25	0.80	1.00
BN0807A	8.065	0.25	0.80	1.00
BN0859A	8.590	0.25	0.80	1.00
BW0620A	6.200	0.50	1.50	2.00
BW0680A	6.800	0.50	1.50	2.00
BW0702A	7.020	0.50	1.50	2.00
BW0750A	7.500	0.50	1.50	2.00
BW0807A	8.065	0.50	1.50	2.00
BW0859A	8.590	0.50	1.50	2.00

Impedance	75 ohms
Temperature Range	0°C to 70°C
Aqueous Washable	No
Package	DR00009B

PACKAGE DETAIL

All dimensions in millimetres (inches). Gen Tolerance ± 0,05 (0.002) unless otherwise stated.   DO NOT SCALE   © Faraday Technology Ltd Croft Road Newcastle-U-Lyme ST5 0QZ England Tel (044) 01782 661501 Fax 630101

Third Angle Projection

37,03 (1.46) Max.

11,5 (0.453) Max.
Total height

1,9 (0.07) Nom.

33,02 (1.3)

2,54 (0.1) Typ. Matrix

Pin 28   Pin 15

15,24 (0.6)

TOP VIEW

20,32 (0.8) Max.

Pin 1   Pin 14

2,5 (0.1) Nom.

3,81 (0.15) Nom.

Notes;
Pins Matl; Brass CDA 260.
Pins Size; 0,46 (0.018) x 0,41 (0.016).
Pin Assignments; Pin 1 = Input.   Pin 14 = Output.
                Pins 15 & 28 = Gnd.

Template: DT00009

Change Note No;	Drawn: B A Knapper	Auth: C Snell	Title:	Drg No:
385	Date: 29/05/96	Date: 15/01/97	FILTER ASSY	DR00009B

FARADAY TECHNOLOGY LIMITED