

BAND PASS TV FILTER COMBLINE DESIGN

FBTV-C Series

- **Low Cost**
- **Visual power up to 10 KW PS**
- **Low Insertion Loss**
- **Good Return Loss**
- **Low Group Delay**

Fiplex **FBTV-C** Series is a class of “Comblane Band Pass TV Filters” designed to suppress the “out of band” emission generated by the transmitter. Its unique design provides a high performance response: excellent selectivity with very low insertion loss. High Q resonators with silver plating are used in these filters. Mounting Frame is provided with thermal converted paint. Standard color is Raal 7032. Other colors are available upon request.



ELECTRICAL SPECIFICATIONS	
Frequency	BI ; BIII & BIV
Max. Power	See table
Insertion Loss, Pass Channel	0.1 dB
Rejection @ Fo + 9.0 MHz	20 dB min
Return Loss	25 dB ; 1.12:1 VSWR
Impedance	50 Ohms
Connectors	See table

B I & BIII - VHF CHANNELS			
Frequency range Model Designation Power,per channel P.S. Dimentions Connector	40-88 174-216 FBTVCxxBV 300 W N(f) ; DIN 71/6	40-88 174-216 FBTVCxxBV 300 W N(f) ; DIN 71/6	40-88 174-216 FBTVCVxxBV 300 W N(f) ; DIN 71/6
Frequency range Model Designation Power,per channel P.S. Dimentions Connector	40-88 174-216 FBTVCxxCV 1 KW EIA 7/8	40-88 174-216 FBTVCxxCV 1 KW EIA 7/8	40-88 174-216 FBTVCxxCV 1 KW EIA 7/8
Frequency range Model Designation Power,per channel P.S. Dimentions Connector	40-88 174-216 FBTVCxxDV 5 KW EIA 1 5/8	40-88 174-216 FBTVCxxDV 5 KW EIA 1 5/8	40-88 174-216 FBTVCxxDV 5 KW EIA 1 5/8
Frequency range Model Designation Power,per channel P.S. Dimentions Connector	40-88 174-216 FBTVCxxEV 10 KW EIA 3 1/8	40-88 174-216 FBTVCxxEV 10 KW EIA 3 1/8	40-88 174-216 FBTVCxxEV 10 KW EIA 3 1/8

B IV - UHF CHANNELS			
Frequency range Model Designation Power,per channel P.S. Dimentions Connector	470 – 566 FBTVCxxBU1 300 W N(f) ; DIN 71/6	566 - 698 FBTVCxxBU2 300 W N(f) ; DIN 71/6	698 - 806 FBTVCxxBU3 300 W N(f) ; DIN 71/6
Frequency range Model Designation Power,per channel P.S. Dimentions Connector	470 – 566 FBTVCxxCU1 1 KW EIA7/8	566 - 698 FBTVCxxCU2 1 KW EIA7/8	698 - 806 FBTVCxxCU3 300 W EIA7/8
Frequency range Model Designation Power,per channel P.S. Dimentions Connector	470 – 566 FBTVCxxDU1 5 KW EIA 1 5/8	566 - 698 FBTVCxxDU2 5 KW EIA 1 5/8	698 - 806 FBTVCxxDU3 300 W EIA 1 5/8
Frequency range Model Designation Power,per channel P.S. Dimentions Connector	470 – 566 FBTVCxxEU1 10 KW EIA 3 1/8	566 - 698 FBTVCxxEU2 10 KW EIA 3 1/8	698 - 806 FBTVCxxEU3 300 W EIA 3 1/8