

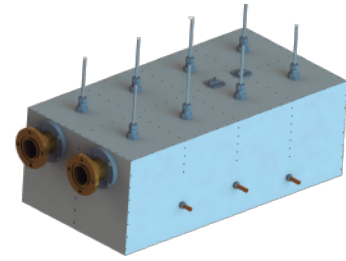
# DIGITAL TV MID POWER BAND PASS FILTERS

## Elliptical • 470 – 862 MHz

**FBTV3 Series**

### Product Features

- No Mask, DVB, ATSC and ISDB critical and non critical mask
- Low insertion loss
- Output monitor probe
- High temperature range



TV Band Pass Filter

### Applications

- Digital TV



| Specification                           | Value   |
|---|---|
| Type                                    | Elliptical  |
| Frequency Band                          | 470 – 862 MHz                                       |
| Frequency Sub-Bands                     | 470 – 566 MHz      566 – 698 MHz      698 – 862 MHz |
| Channel Bandwidth                       | 6 – 8 MHz   |
| ISDB Mask                               | Critical and Non Critical Mask                      |
| DVB Mask                                | Critical and Non Critical Mask                      |
| ATSC Mask                               | Critical and Non Critical Mask                      |
| Insertion Loss                          | 0.5 dB typ @ Fo                                     |
| Return Loss All Ports                   | 20 dB   |
| Power Input                             | 1 KW max  |
| Connectors                              | EIA 7/8, EIA 1 5/8 or EIA 3 1/8                     |
| Temperature Range                       | -4° to 140° F • -20° to +60° C                      |
| Coupling Output Monitor Probe, Optional | -30 dB  |
| Mounting, Optional                      | 19" Rack  |

| Specification    | DVB NON CRITICAL MASK, 8MHz Bw  | DVB CRITICAL MASK, 8MHz Bw   | ATSC SIMPLE MASK  |
|------------------|---|--|---|
| Selectivity Mask | > 5db at Fo +/- 4.2MHz<br>> 16db at Fo +/- 6MHz<br>> 41db at Fo +/- 12MHz | > 15db at Fo +/- 4.2MHz<br>> 26db at Fo +/- 6MHz<br>> 51db at Fo +/- 12MHz | > 10db at Fo +/- 3.5MHz<br>> 24db at Fo +/- 6MHz<br>> 36db at Fo +/- 9MHz |

DOC BR104.01 - 04092014  
 Fiplex is a registered trademark of Fiplex Communications, Inc.  
 Fiplex Communications, Inc. reserves the right to change specifications without prior notice.