

Band IV/V (UHF) TV Waveguide Filter 470 - 860 MHz

EW Series

This range of UHF filters are now 3rd generation products designed for global combining and filtering applications associated with DTV and analog television transmissions.

- 4, 6 and 8 pole versions for wide channel, semi adjacent and adjacent channel applications
- Designed for vertical mounting to minimize footprint
- Adjustable 6 to 8MHz bandwidth for global applications
- Designed for high peak voltage DTV signals
- Advanced design and manufacturing techniques for optimum performance



Waveguide Filter 6PXW

SPECIFICATIONS (ALL MODELS)

| | |
|--|---|
| Frequency Range, MHz | 470 - 860 |
| Filter Type | Dual Mode Waveguide with Cross Coupling |
| Input Channel Bandwidth, MHz | 6;7;8 |
| Insertion Loss at Channel Center Frequency, dB | 0.2 |
| Input Return Loss, dB | > 26 (typically 30) |
| Operating Temperature Range, degrees C | 10 to 40 |

| SPECIFICATIONS | 6PXW | 4PXW |
|--|------------------------------|----------------------------|
| Channel Spacing | 1 | >1 |
| Input Group Delay variation over Channel Bandwidth, nsec | 360 | 25 |
| Narrowband Input Connector | 31R Note#1 | 31R Note#1 |
| Filter Selectivity, dB | > 30 adjacent vision carrier | > 30 semi adjacent channel |
| Weight, kg (lb) | 95 (209) | 70 (154) |
| Dimensions (Height or Length), cm (in) | 148.0 (58-5/16) | 110.0 (43-5/16) |
| Dimensions (Width), cm (in) | 65 (25-5/8) | 65 (25-5/8) |
| Dimensions (Depth), cm (in) | 82 (32-5/16) | 82 (32-5/16) |