



## UHF DVBT BANDPASS FILTER

### 1 KW, 6 POLES ELLIPTICAL RESPONSE

#### FEATURES

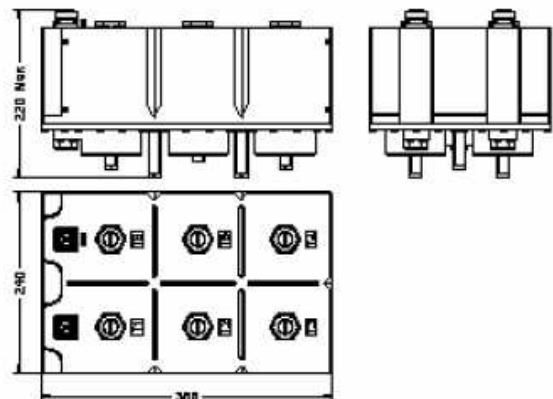
- UHF 1 kW Digital TV bandpass filter
- DVB-T and DVB-H Critical and Non-Critical Mask applications
- ATSC FCC Mask applications
- 6 Poles elliptical response (Cross Coupling)
- DualCross technique (four transmission zeros)
- Foreshorten folded combline design
- High selectivity and low loss (Typ. 0.33 dB@858 MHz)
- Temperature stabilized
- Very compact and lightweight



**DVBT**  
**6 POLES**  
**1 KW**

SPECIFICATIONS	
FREQUENCY RANGE	470 ÷ 862 MHz
MAX INPUT POWER	1kW DTW (1.5 kW ATV)
BANDWIDTH	6 to 8 MHz
TEMPERATURE STABILITY	< 4 kHz / K
OPERATING TEMPERATURE	-5 to +45°C
WEIGHT (Approx)	13 kg
CONNECTORS	2 x 7-16 Female

OPTIONS	
G	EIA 7/8" Unflanged Conn.
H	EIA 7/8" Flanged Conn.
0	Painted Black
1	SMA Output Monitor Probe
2	SMB Output Monitor Probe



ELECTRICAL DATA	DVB 8 MHz	DVB 8 MHz	ATSC FCC Mask
	Non critical mask	Critical mask	
INSERTION LOSS	< 0.38 dB@C.F. (858 MHz) < 1.10 @C.F. ±3.8 MHz	< 0.48 dB@C.F. (858 MHz) < 1.60 @C.F. ±3.8 MHz	< 0.52 dB@C.F. (803 MHz) < 0.90 @C.F. ±2.7 MHz
SELECTIVITY	> 4 dB@C.F. ±4.2 MHz > 20 dB@C.F. ±6 MHz > 30 dB@C.F. ±1.2 MHz	> 12 dB@C.F. ±4.2 MHz > 24 dB@C.F. ±6 MHz > 34 dB@C.F. ±1.2 MHz	> 6 dB@C.F. ±3.5 MHz > 26 dB@C.F. ±6 MHz > 45 dB@C.F. ±9 MHz
RETURN LOSS	> 26 dB	> 21 dB	> 26 dB
GROUP DELAY VARIATION	< 250 ns	< 450 ns	< 150 ns

