



UHF DVBT BANDPASS FILTER

250 W, 6 POLES ELLIPTICAL RESPONSE

FEATURES

- UHF 300 W Digital TV bandpass filter
- DVB-T and DVB-H Non-Critical Mask applications
- ATSC FCC LPTV Mask applications
- 6 Poles elliptical response (Extracted Poles)
- XLine technique (two transmission zeros)
- Foreshorten in-line combline design
- Low loss (Typ. 0.65 dB@858 MHz)
- Temperature stabilized
- Compact and lightweight



DVBT

6 POLES

250 W

SPECIFICATIONS

FREQUENCY RANGE	470 – 862 MHz
MAX INPUT POWER	300 W DTV (500 W ATV)
BANDWIDTH	6 to 8 MHz
TEMPERATURE STABILITY	< 4 kHz / K
OPERATING TEMPERATURE	-5 to +45 °C
WEIGHT (Approx)	3.5 kg
CONNECTORS	2 x 7-16 Female

OPTIONS

C	N Female Connector
0	Painted Black
1	SMA Output Monitor Probe
2	SMB Output Monitor Probe

ELECTRICAL DATA

	DVB 8 MHz non critical Mask	ATCS FCC LPTV Mask
INSERTION LOSS	< 0.75 dB@C.F. (858 MHz) < 1.70 dB@C.F.±3.8 MHz	< 0.90 dB@C.F. (803 MHz) < 1.50 dB@C.F.±2.7 MHz
SELECTIVITY	> 3 dB@V.C.±4.2 MHz > 16 dB@C.F.±6 MHz > 36 dB@C.F.±12 MHz	> 6 dB@C.F.±3.5 MHz > 24 dB@C.F.±6 MHz > 36 dB@C.F.±9 MHz
RETURN LOSS	> 24 dB	> 24 dB
GROUP DELAY VARIATION	< 200 ns	< 150 ns

