

100 WATT DTV MASK FILTER—P/N 16541**FEATURES**

- *UHF 100 W Digital TV Band-Pass Filter*
- *ATSC FCC LPTV Simple Mask Applications*
- *DVB-T and DVB-H Non-Critical Mask Applications*
- *6 Poles elliptical response (Extracted Poles)*
- *X-Line technique (two transmission zeros)*
- *In-line, Comb-Line design*
- *Low loss (Typically 1.0 dB @858 MHz)*
- *Temperature stabilized*
- *Compact Size and Lightweight*

**16541 GENERAL SPECIFICATIONS**

Frequency Range	470-858 MHz
Maximum Input Power	100 Watt Average Power
Bandwidth	6 or 8 MHz
Temperature Stability	<6 KHz/°K
Operating Temperature	-5 to +45°C
Weight (Approx.)	5.5 Lbs. (2.5 kg)
Dimensions	12.75" x 7.28" x 1.65" (324mm x 185mm x 42mm)

TUNING INFORMATION

	ATSC FCC Simple Mask	DVB 8MHz Non-Critical Mask
Insertion Loss	<1.2dB @ C.F. (803 MHz) <2.2dB @ C.F. ±2.7 MHz	<1.0dB @ C.F. (858 MHz) <2.2dB @ C.F. ±3.8 MHz
Selectivity	> 6dB @ C.F. ±3.5 MHz >24dB @ C.F. ±6 MHz >36dB @ C.F. ±9 MHz	>3dB @ C.F. ± 4.2 MHz >16dB @ C.F. ± 6.0 MHz >36dB @ C.F. ± 12 MHz
Return Loss	>24dB	>24dB
Group Delay Variation	<150ns	<200ns

OPTIONS

- 1 Black Powder Coat Finish
- 2 SMA Monitor Probe Output
- 3 SMB Monitor Probe Output

Contact the EMCEE factory for other DTV filter models and variations.

