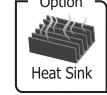
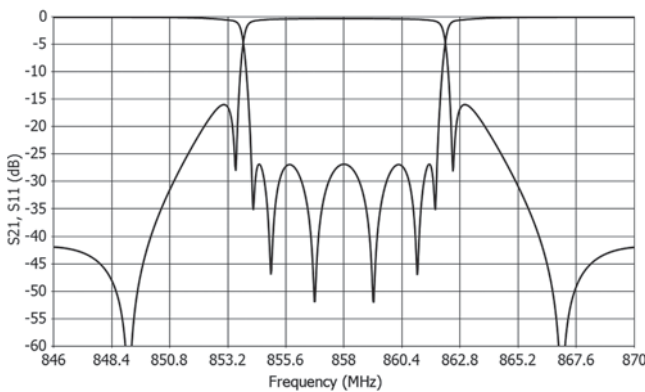
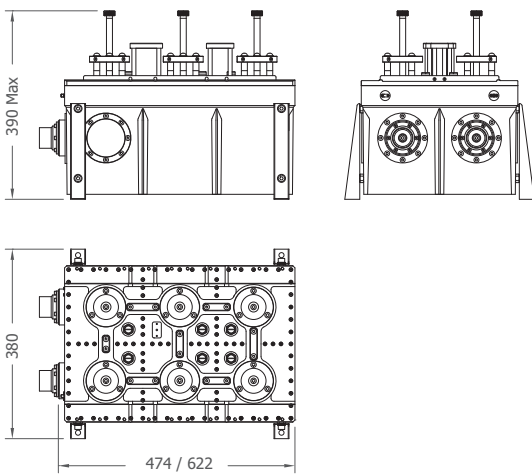


UHF 2.5-5 kW 6/8-Pole Bandpass Filter

TC6D140C TC8D140C

BANDPASS FILTERS
UHF



SPECIFICATIONS	TC6D140C	TC8D140C
Product Code	A-TC6D140C-xx-yy	A-TC8D140C-xx-yy
Project Number	J-058-03	J-117-01
DVB Mask	Non Critical Mask	Critical Mask
ATSC Mask	FCC Mask	FCC Mask
ISDB Mask	Non Critical Mask	Critical Mask
Frequency Range	470 – 862 MHz	
Bandwidth	6 to 8 MHz	
Order	6-Pole Ell. Resp.	8-Pole Ell. Resp.
Max Input Power with O-HL.02	2.5 kW DTV (3.75 kW ATV) 5 kW DTV (7.5 kW ATV)	
Liquid Flow (O-HL.02)	6 l/min (1.6 gal/min)	
Temperature Stability	< 2 kHz / K	
Max Operating Temp.	70 °C (158 °F)	
Environmental Conditions	-5 to +55 °C (+23 to +131 °F), IP60	
Body Finish	Metallic black coloring	
Dimensions	474 x 380 x 390 mm	622 x 380 x 390 mm
Weight	33 kg (72.6lb)	44 kg (96.8 lb)
Output Monitor Probe	SMA Female	
Connectors Interface	2 x 64mm Series	
Connectors	D-PC64J EIA 1+5/8" FastLine Socket (Default) D-PC64K EIA 1+5/8" FastLine Flange D-PC64M EIA 3+1/8" FastLine Socket D-PC64N EIA 3+1/8" FastLine Flange	
Options	O-MR.01 SMB Output Monitor Probe O-MR.02 Output Monitor Probe on the left O-HF.03 Heat Sink add-on O-HL.02 Liquid Cooling add-on O-ZZ.01 Axial connector mounting O-HZ.03 70°C (158°F) N.C. Thermoswitch	

TUNING DATA	DVB 8 MHz N.C.M. (TC6D140C)	DVB 8 MHz C.M. (TC8D140C)	ATSC FCC M. (TC6D140C)
Insertion Loss	< 0.32 dB @ C.F. < 1.00 dB @ C.F. ±3.8 MHz	< 0.49 dB @ C.F. < 1.59 dB @ C.F. ±3.8 MHz	< 0.42 dB @ C.F. < 0.72 dB @ C.F. ±2.7 MHz
Selectivity	> 5 dB @ C.F. ±4.2 MHz > 16 dB @ C.F. ± 6 MHz > 41 dB @ C.F. ± 12 MHz	> 15 dB @ C.F. ±4.2 MHz > 26 dB @ C.F. ± 6 MHz > 51 dB @ C.F. ± 12 MHz	> 10 dB @ C.F. ±3.5 MHz > 29 dB @ C.F. ± 6 MHz > 63 dB @ C.F. ± 9 MHz
Harmonic Attenuation with LP39C	> 50 dB up to 1.1 GHz > 50 dB up to 3.0 GHz	> 50 dB up to 1.1 GHz > 50 dB up to 3.0 GHz	> 50 dB up to 1.1 GHz > 50 dB up to 3.0 GHz
Return Loss	> 26 dB (VSWR < 1.11)	> 26 dB (VSWR < 1.11)	> 26 dB (VSWR < 1.11)
Group Delay Variation	< 250 ns	< 450 ns	< 150 ns
Over-Temperature with O-HF.03	< 38 K @ 2.5 kW DTV < 30 K @ 2.5 kW DTV	< 43 K @ 2.5 kW DTV < 34 K @ 2.5 kW DTV	< 43 K @ 2.5 kW DTV < 35 K @ 2.5 kW DTV
with O-HL.02	< 16 K @ 5 kW DTV	< 21 K @ 5 kW DTV	< 21 K @ 5 kW DTV