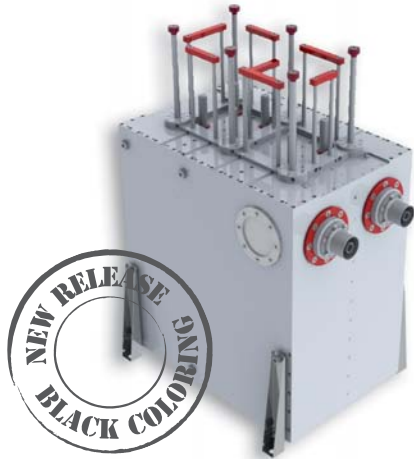


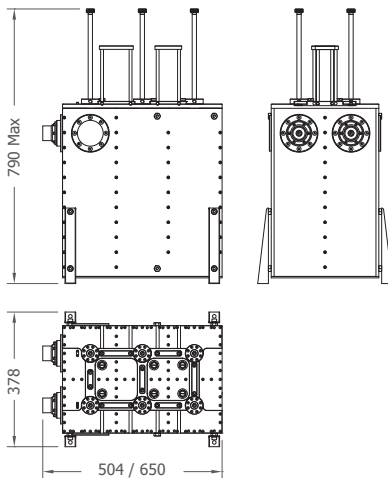
VHF B.III 5 kW 6/8-Pole Bandpass Filter

TC6D140B TC8D140B

BANDPASS FILTERS
VHF B.III

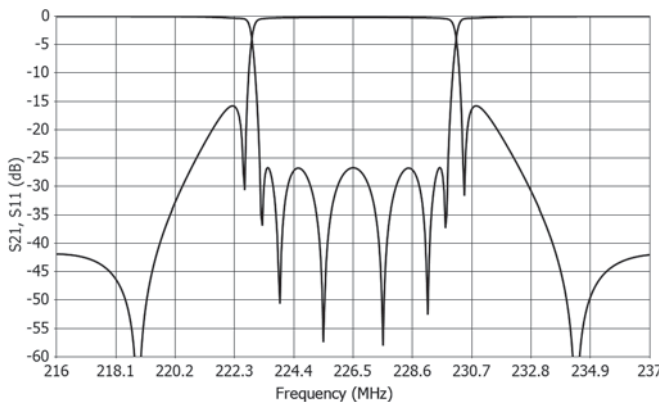


ISDB



SPECIFICATIONS

	TC6D140B	TC8D140B
Product Code	A-TC6D140B-xx-yy	A-TC8D140B-xx-yy
Project Number	J-084-02	J-138-01
DVB Mask	Non Critical Mask	Critical Mask
ATSC Mask	FCC Mask	FCC Mask
ISDB Mask	Non Critical Mask	Critical Mask
Frequency Range	162 – 254 MHz	
Bandwidth	6 to 8 MHz	
Order	6-Pole Ell. Resp.	8-Pole Ell. Resp.
Max Input Power	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	504 x 378 x 790 mm	650 x 378 x 790 mm
Weight	45 kg (99 lb)	60 kg (132 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-HL.02 Liquid Cooling add-on O-ZZ.01 Axial connector mounting O-HZ.03 70°C (158°F) N.C. Thermo-switch	



TUNING DATA

	DVB 7 MHz N.C.M. (TC6D140B)	DVB 7 MHz C.M. (TC8D140B)	ATSC FCC M. (TC6D140B)
Insertion Loss	< 0.24 dB @ C.F. < 0.70 dB @ C.F. ±3.325 MHz	< 0.32 dB @ C.F. < 0.91 dB @ C.F. ±3.325 MHz	< 0.32 dB @ C.F. < 0.55 dB @ C.F. ±2.7 MHz
Selectivity	> 5 dB @ C.F. ±3.675 MHz > 16 dB @ C.F. ± 5.25 MHz > 41 dB @ C.F. ± 10.5 MHz	> 15 dB @ C.F. ±3.675 MHz > 26 dB @ C.F. ± 5.25 MHz > 51 dB @ C.F. ± 10.5 MHz	> 10 dB @ C.F. ±3.5 MHz > 29 dB @ C.F. ± 6 MHz > 63 dB @ C.F. ± 9 MHz
Harmonic Attenuation	> 50 dB up to 600 MHz	> 50 dB up to 600 MHz	> 50 dB up to 600 MHz
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-HL.02	< 46 K @ 5 kW DTV < 15 K @ 5 kW DTV	< 52 K @ 5 kW DTV < 17 K @ 5 kW DTV	< 53 K @ 5 kW DTV < 17 K @ 5 kW DTV